

FIG. 1

004160" 82294960

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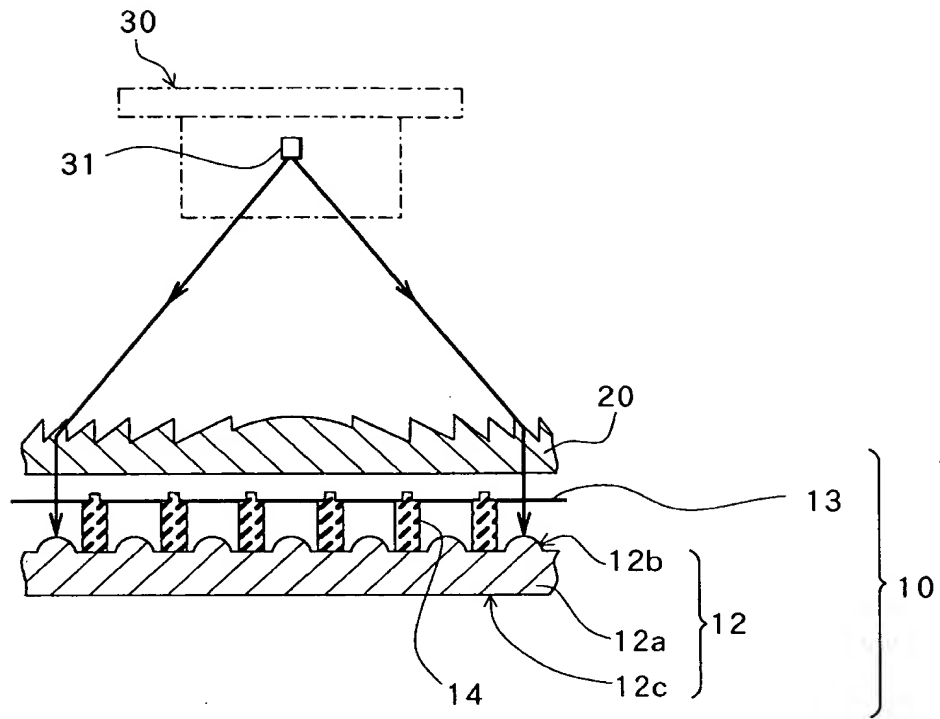


FIG. 2

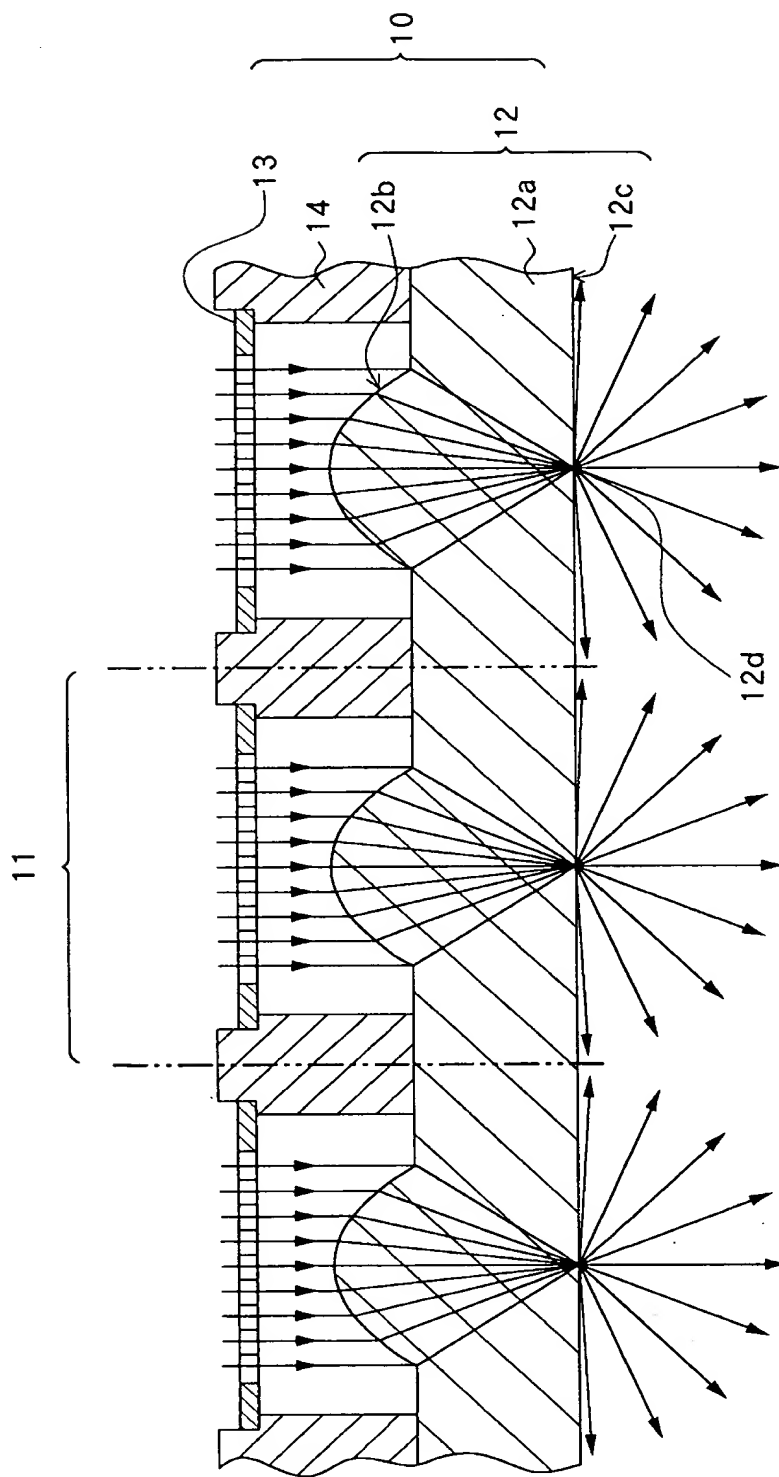


FIG. 3

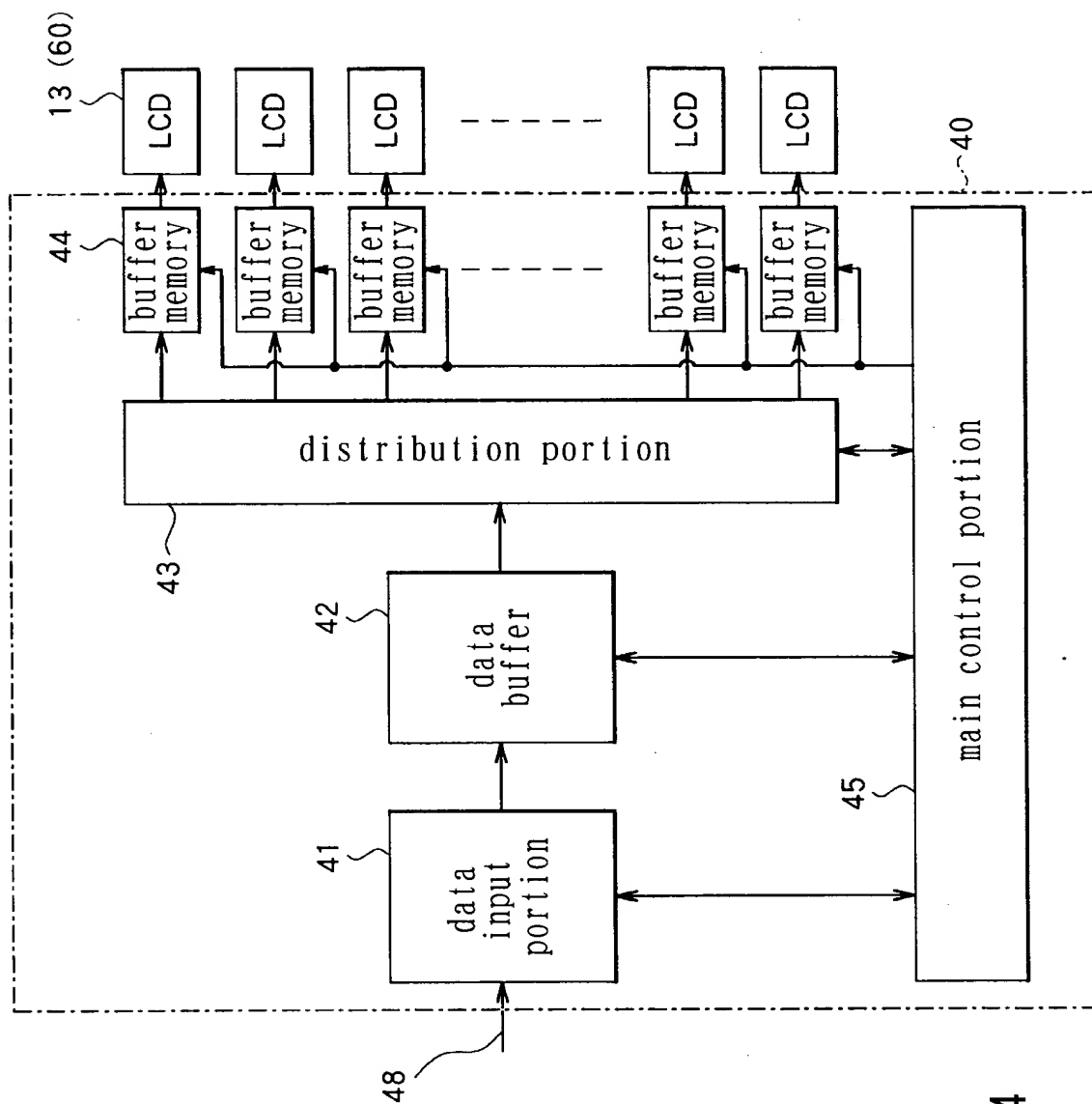


FIG. 4

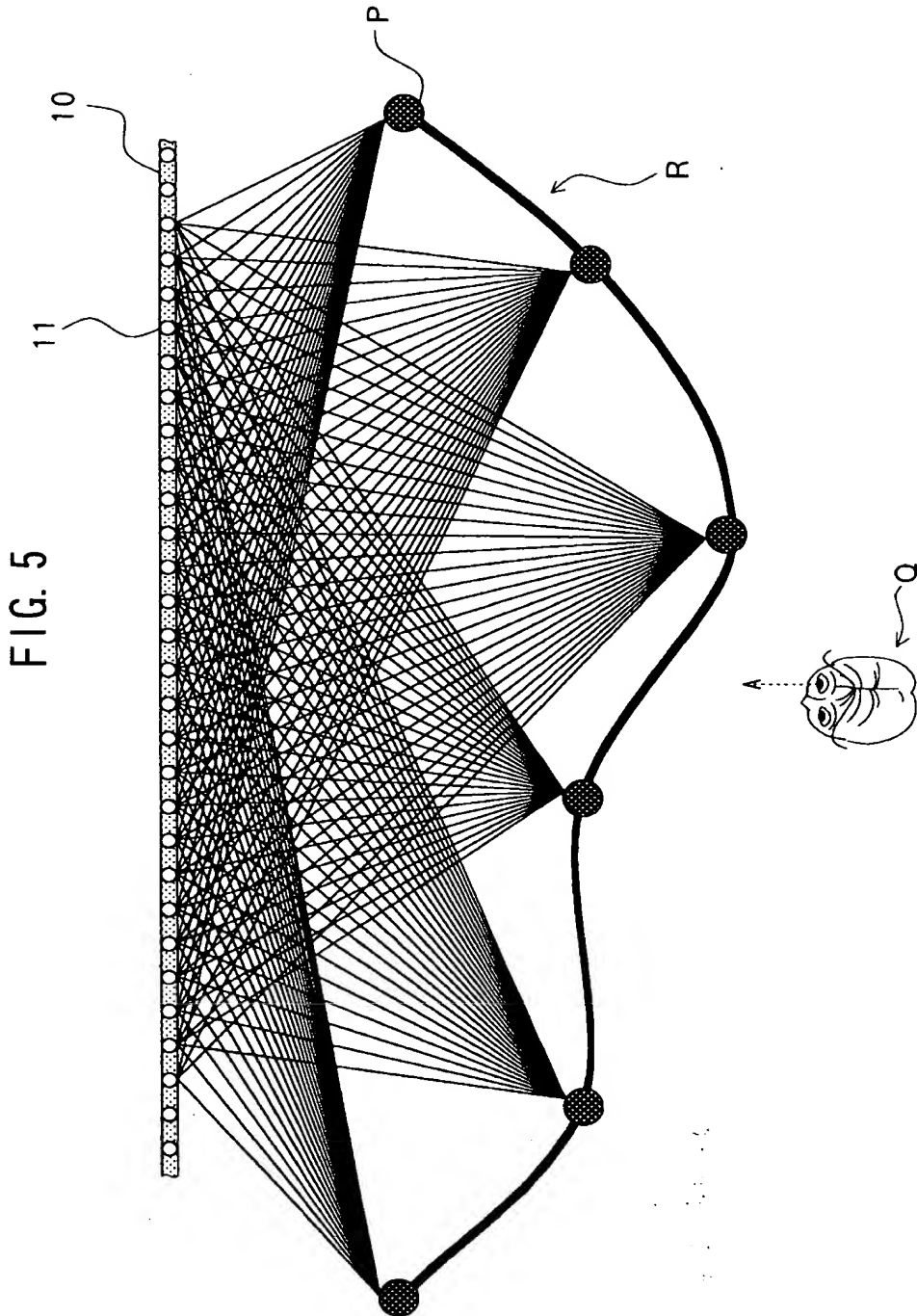
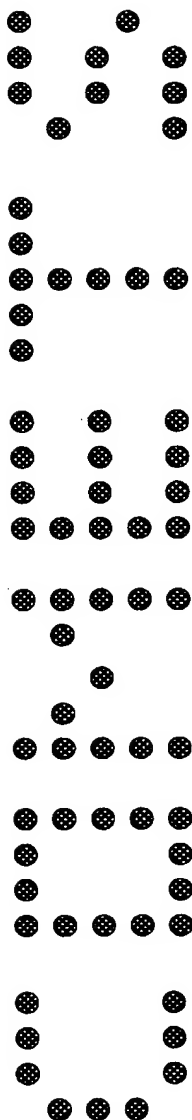


FIG. 6A



**FIG. 6B**

|    | X1 | X2 | X3 | X4 | X5 | X6 | X7 | X8 | X9 | X10 | X11 | X12 | X13 | X14 | X15 | X16 | X17 | X18 | X19 | X20 | X21 | X22 | X23 | X24 | X25 | X26 | X27 | X28 | X29 | X30 | X31 |   |
|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|
| Y1 | 0  | 1  | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 0   | 1   | 0   | 0   | 0   | 1   | 0   | 1   | 1   | 1   | 1   | 0   | 1   | 1   | 1   | 1   | 1   | 1   | 0   | 0   | 1   | 1   | 1 |
| Y2 | 1  | 0  | 0  | 0  | 1  | 0  | 0  | 1  | 0  | 1   | 0   | 1   | 0   | 1   | 1   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 0 |
| Y3 | 1  | 0  | 0  | 0  | 1  | 0  | 0  | 1  | 0  | 1   | 0   | 1   | 0   | 1   | 0   | 1   | 0   | 1   | 1   | 1   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 1   | 1   | 0 |
| Y4 | 1  | 0  | 0  | 0  | 1  | 0  | 0  | 1  | 0  | 1   | 0   | 0   | 0   | 0   | 1   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1 |
| Y5 | 0  | 1  | 1  | 1  | 0  | 1  | 1  | 1  | 0  | 1   | 0   | 0   | 0   | 0   | 1   | 0   | 1   | 1   | 1   | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 1   | 1   | 1   | 0 |

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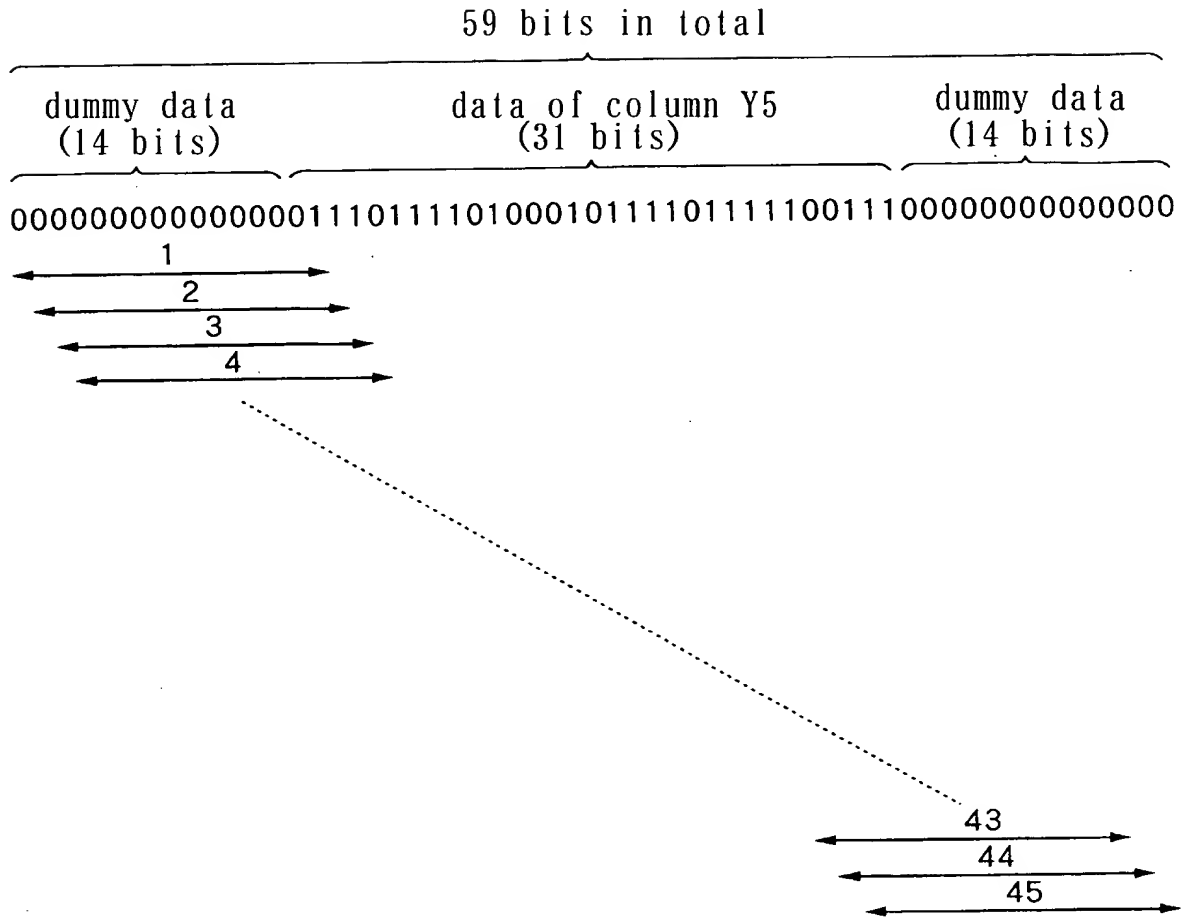


FIG. 7

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| slice<br>number | sliced data                     |
|-----------------|---------------------------------|
| 1               | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |
| 2               | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 |
| 3               | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 |
| ⋮               | ⋮                               |
| 15              | 0 1 1 1 0 1 1 1 1 0 1 0 0 0 1   |
| 16              | 1 1 1 0 1 1 1 1 0 1 0 0 0 1 0   |
| 17              | 1 1 0 1 1 1 1 0 1 0 0 0 1 0 1   |
| 18              | 1 0 1 1 1 1 0 1 0 0 0 1 0 1 1   |
| 19              | 0 1 1 1 1 0 1 0 0 0 1 0 1 1 1   |
| ⋮               | ⋮                               |
| 42              | 0 1 1 1 0 0 0 0 0 0 0 0 0 0 0   |
| 43              | 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0   |
| 44              | 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0   |
| 45              | 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0   |

FIG. 8



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| screen dot<br>number | inverted data                   |
|----------------------|---------------------------------|
| D1                   | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |
| D2                   | 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |
| D3                   | 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |
| ⋮                    | ⋮                               |
| D15                  | 1 0 0 0 1 0 1 1 1 1 0 1 1 1 0   |
| D16                  | 0 1 0 0 0 1 0 1 1 1 1 0 1 1 1   |
| D17                  | 1 0 1 0 0 0 1 0 1 1 1 1 0 1 1   |
| D18                  | 1 1 0 1 0 0 0 1 0 1 1 1 1 0 1   |
| D19                  | 1 1 1 0 1 0 0 0 1 0 1 1 1 1 0   |
| ⋮                    | ⋮                               |
| D42                  | 0 0 0 0 0 0 0 0 0 0 0 0 1 1 1 0 |
| D43                  | 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 1 |
| D44                  | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 |
| D45                  | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 |

FIG. 9

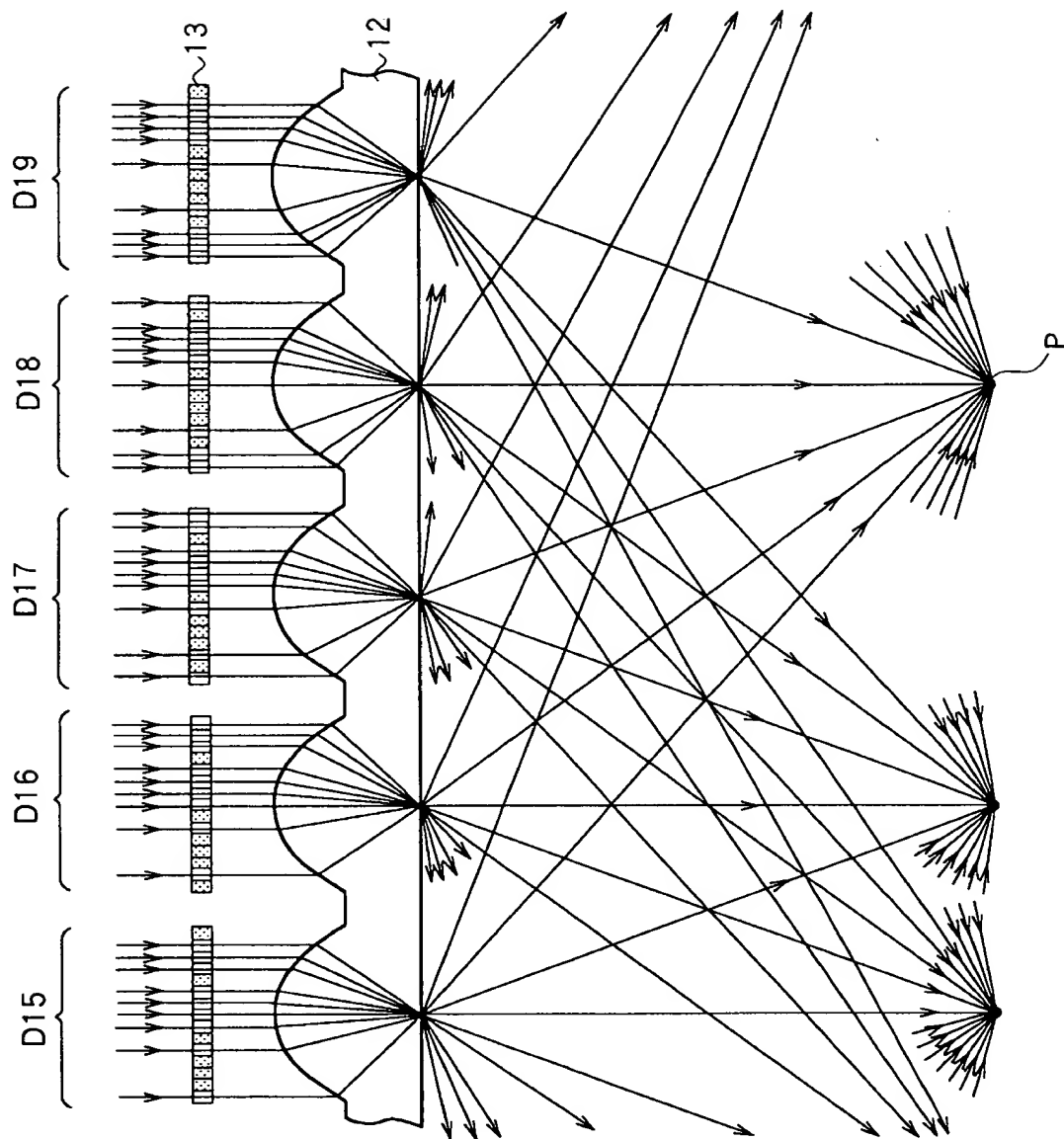


FIG. 10

FIG. 11A

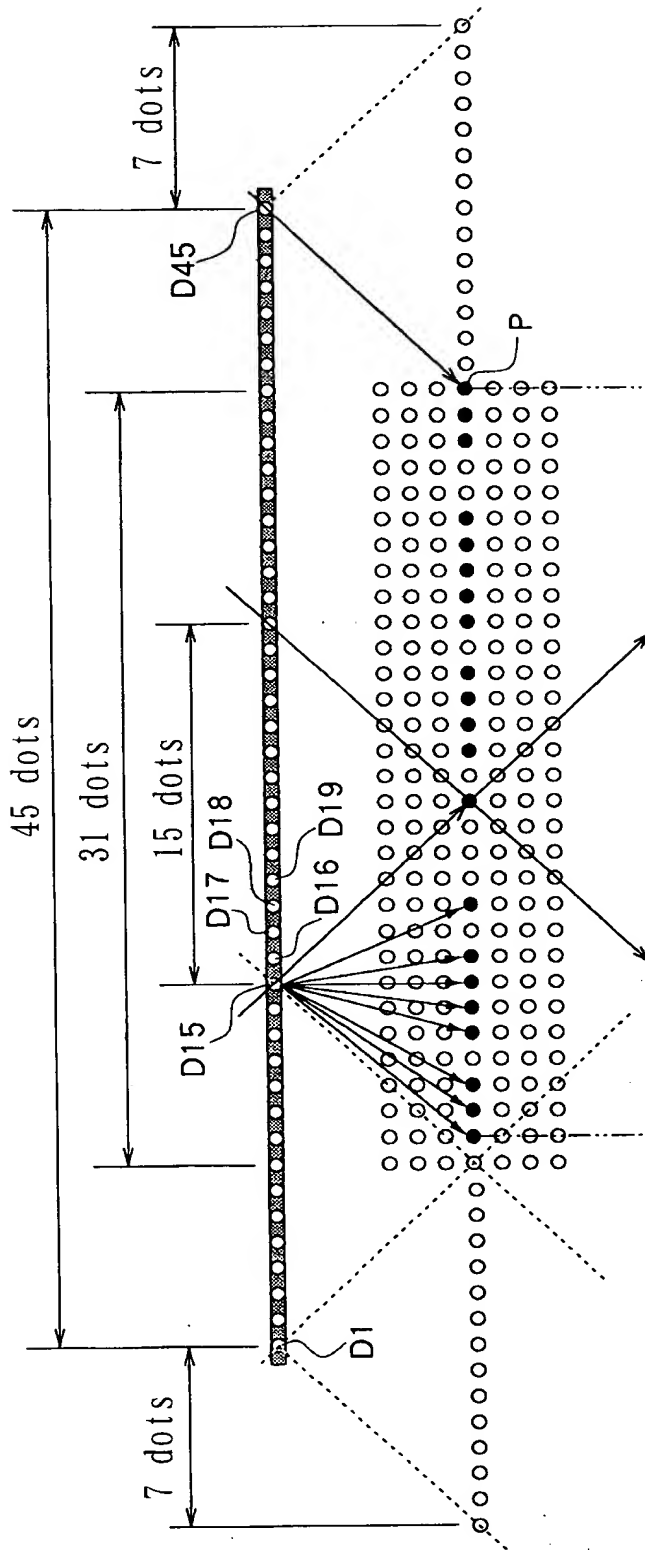
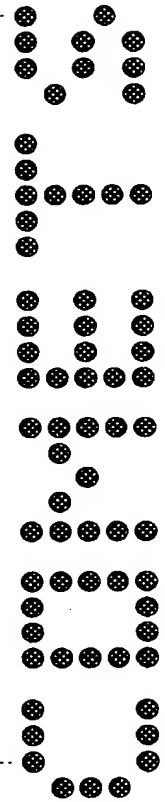


FIG. 11B



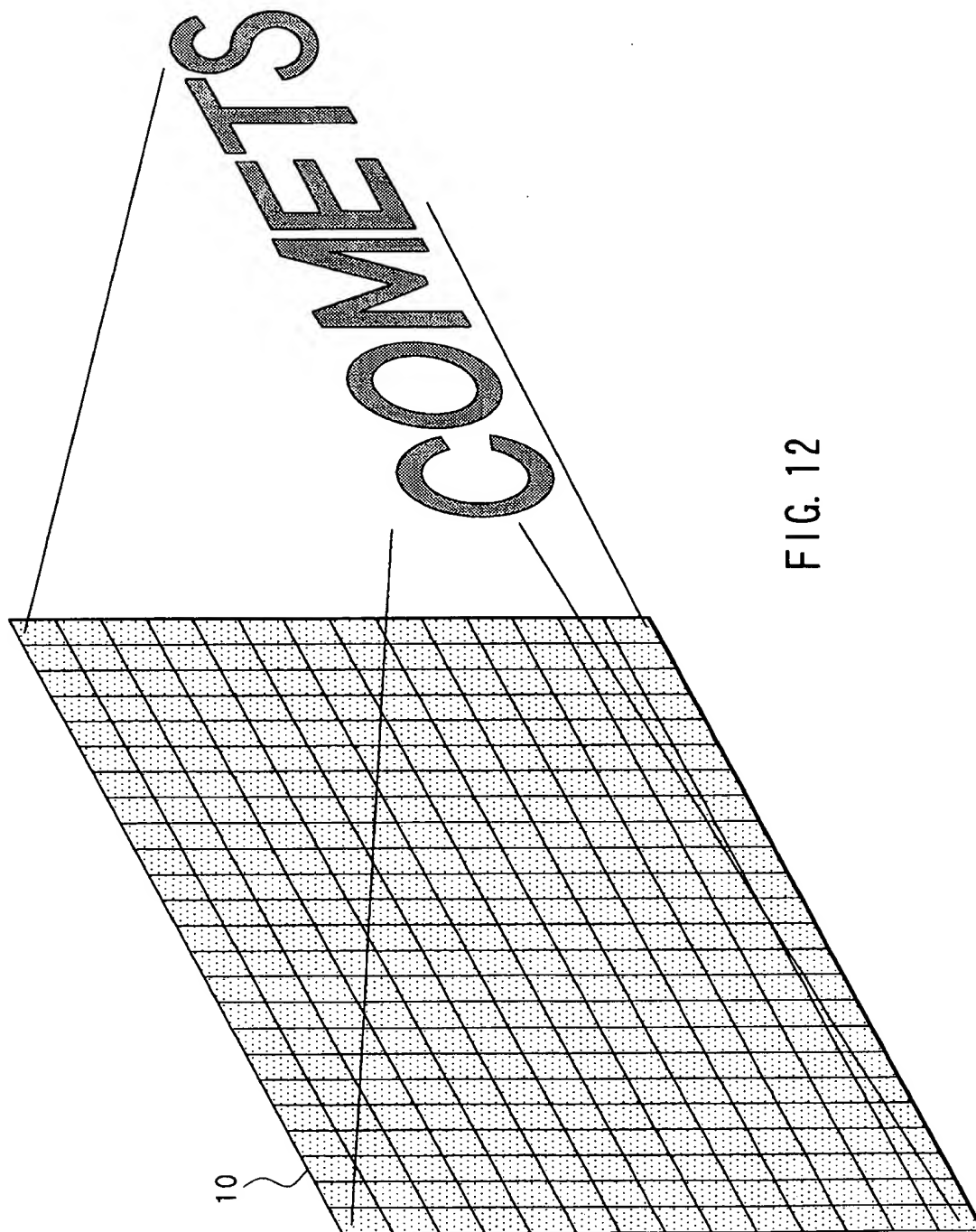


FIG. 12

004160" 82294960

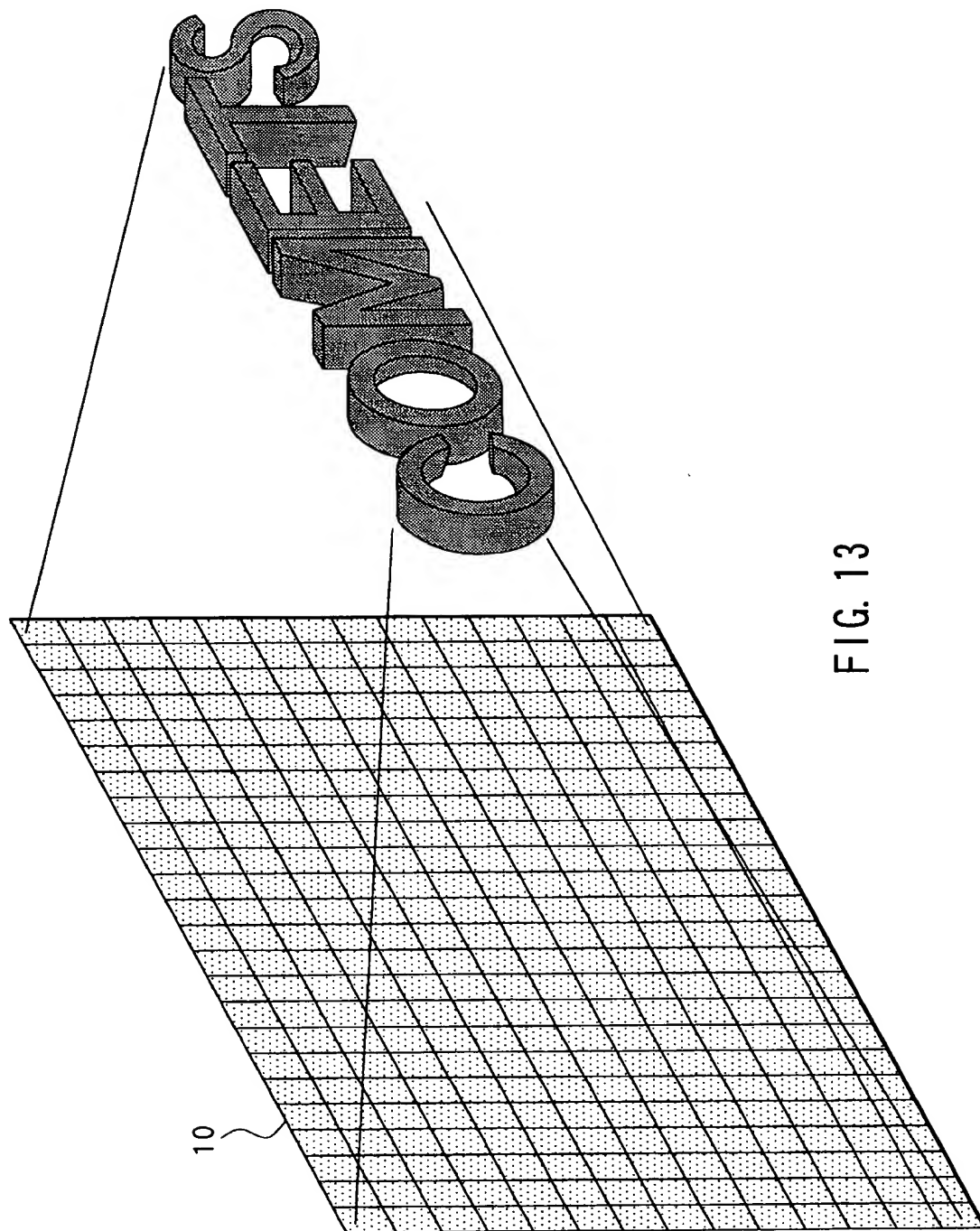


FIG. 13

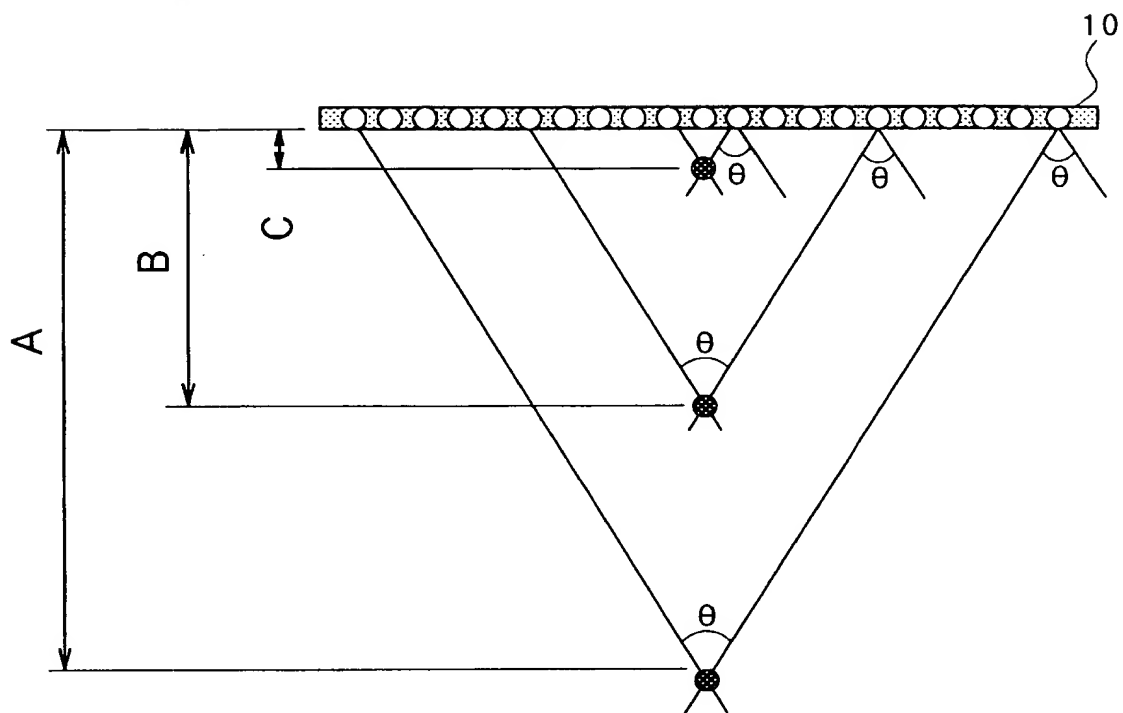


FIG. 14

004460" 82294960

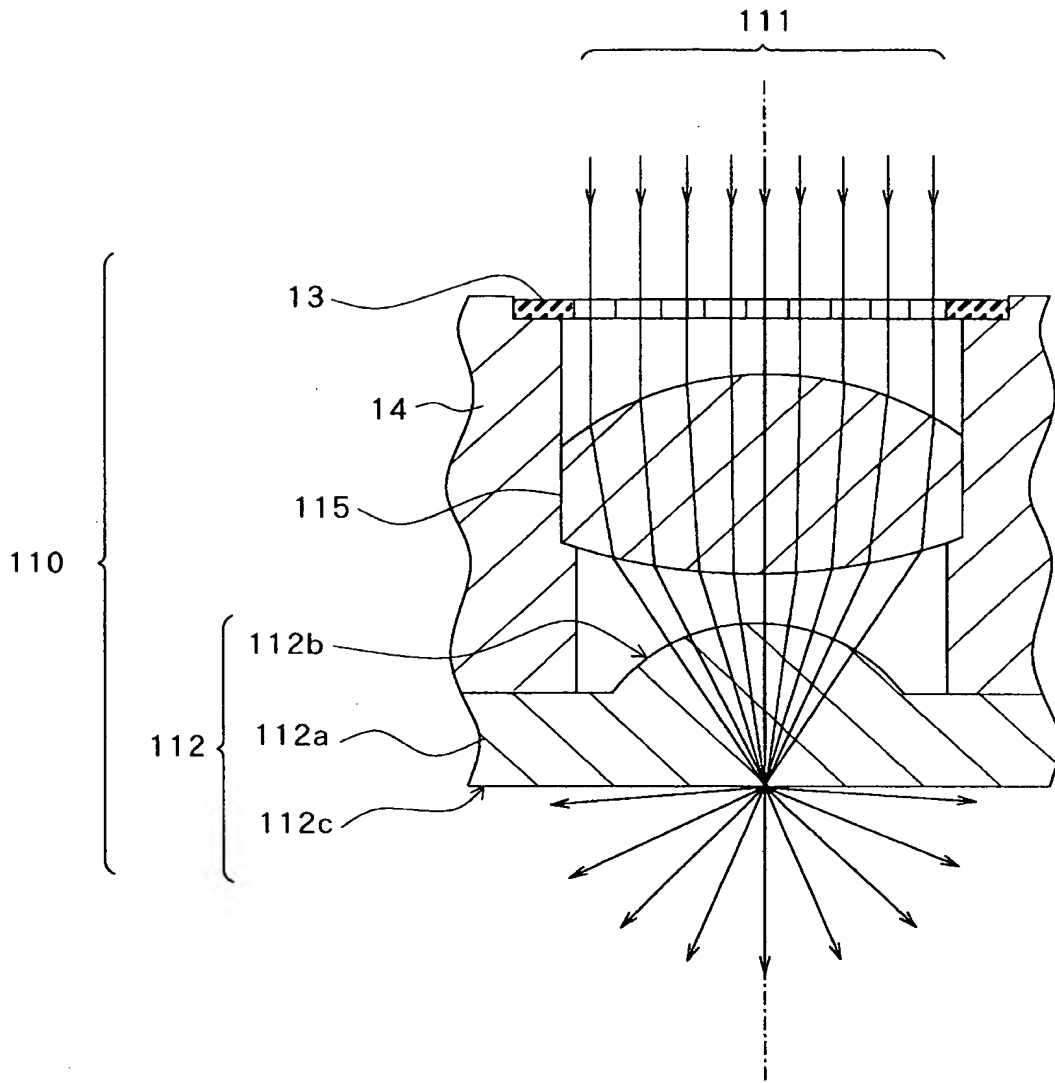


FIG. 15

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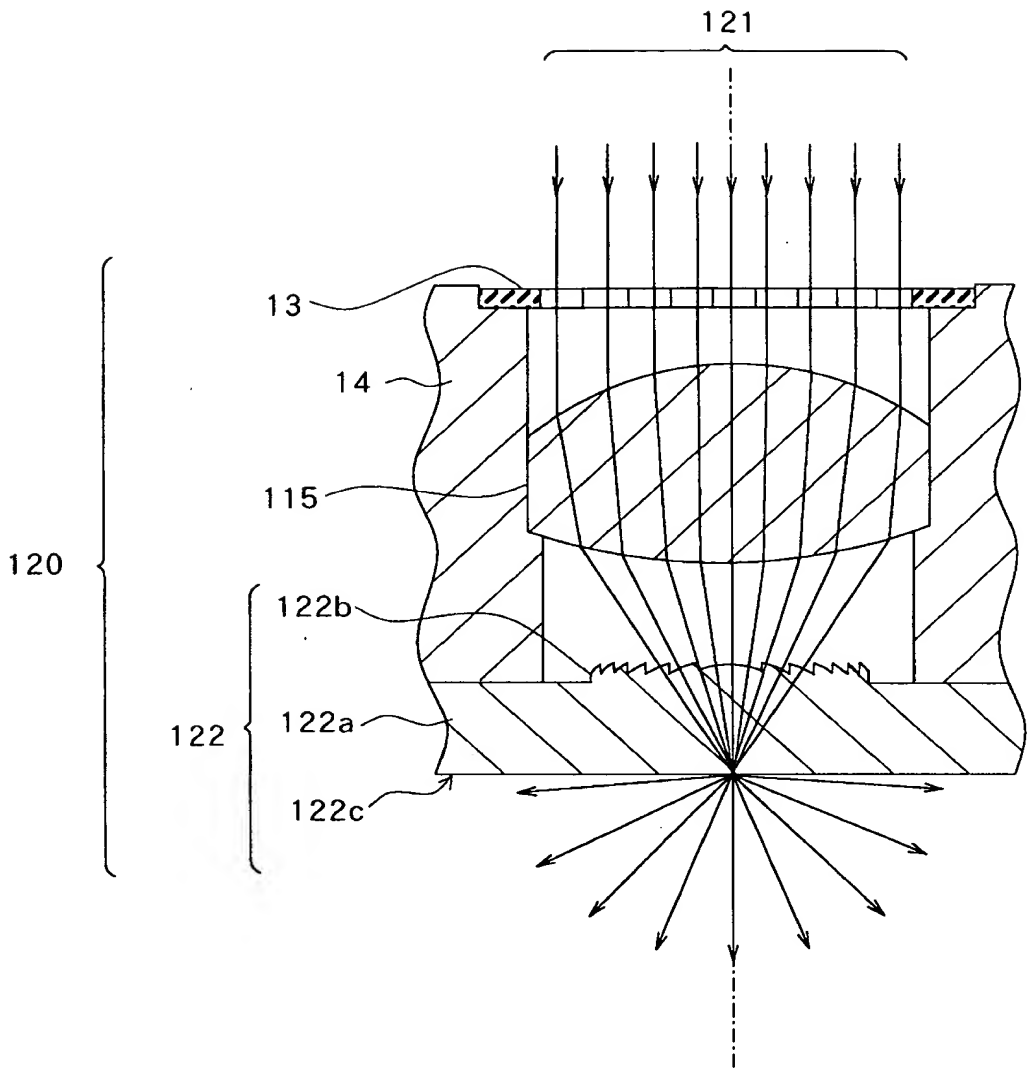
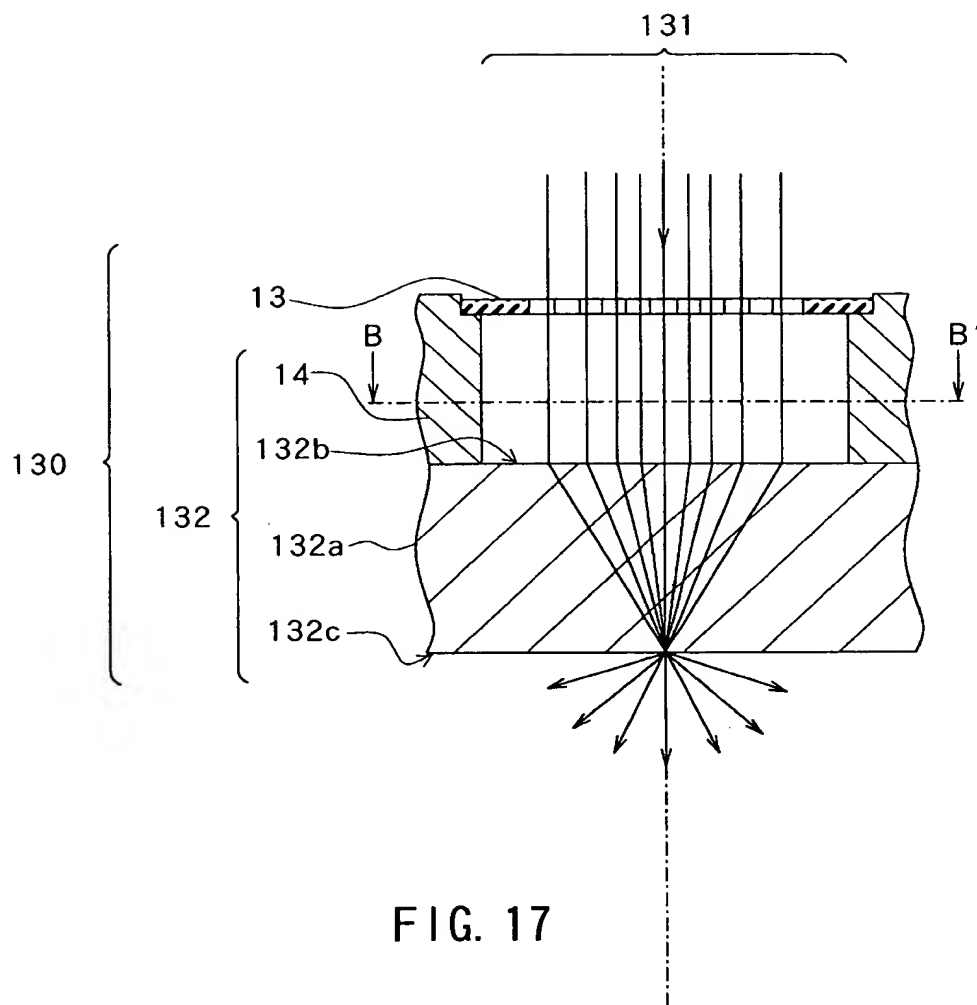


FIG. 16





section along B-B'

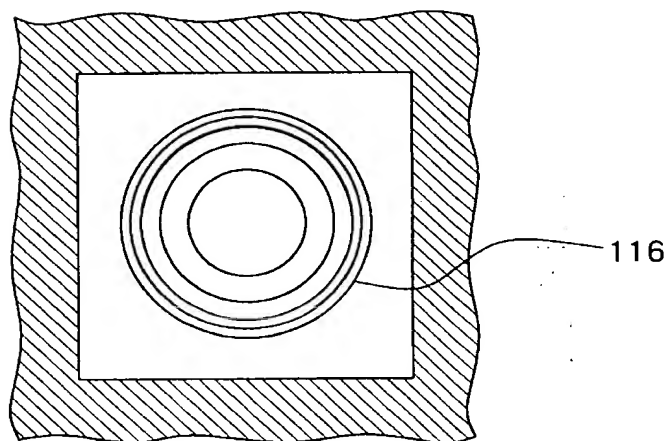


FIG. 18

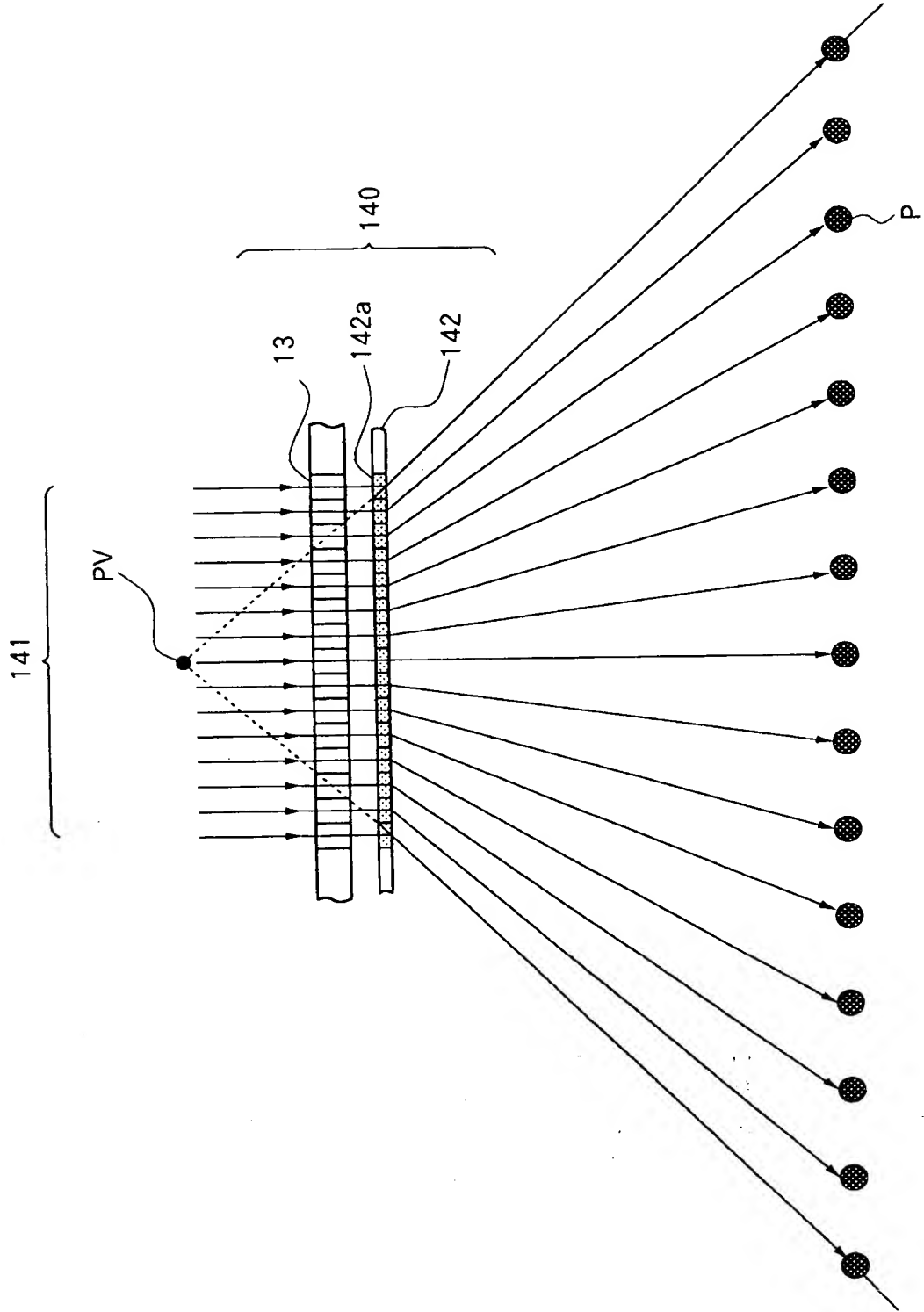


FIG. 19

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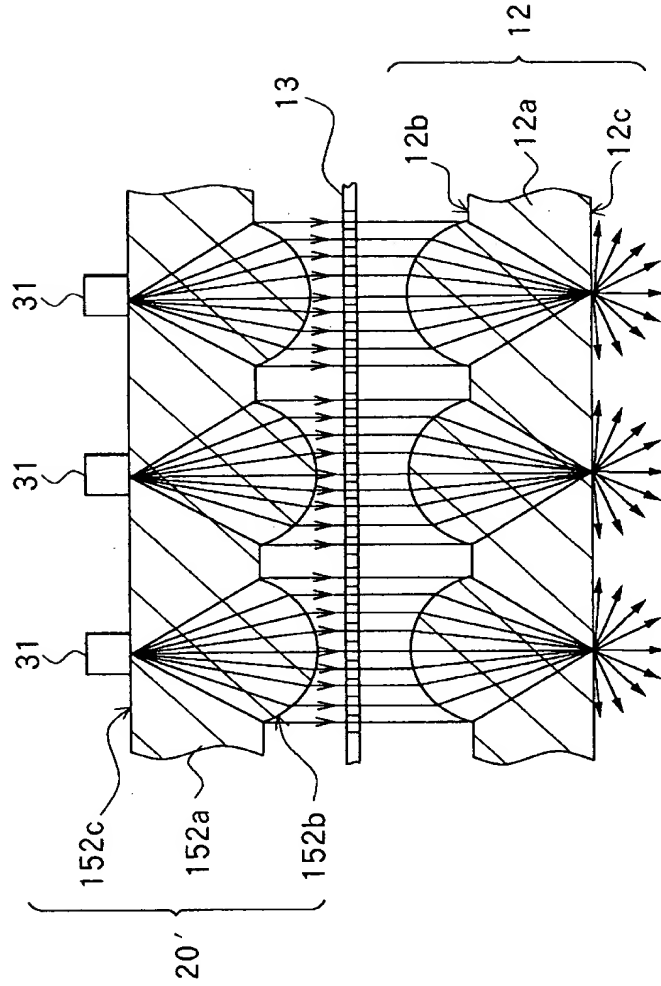
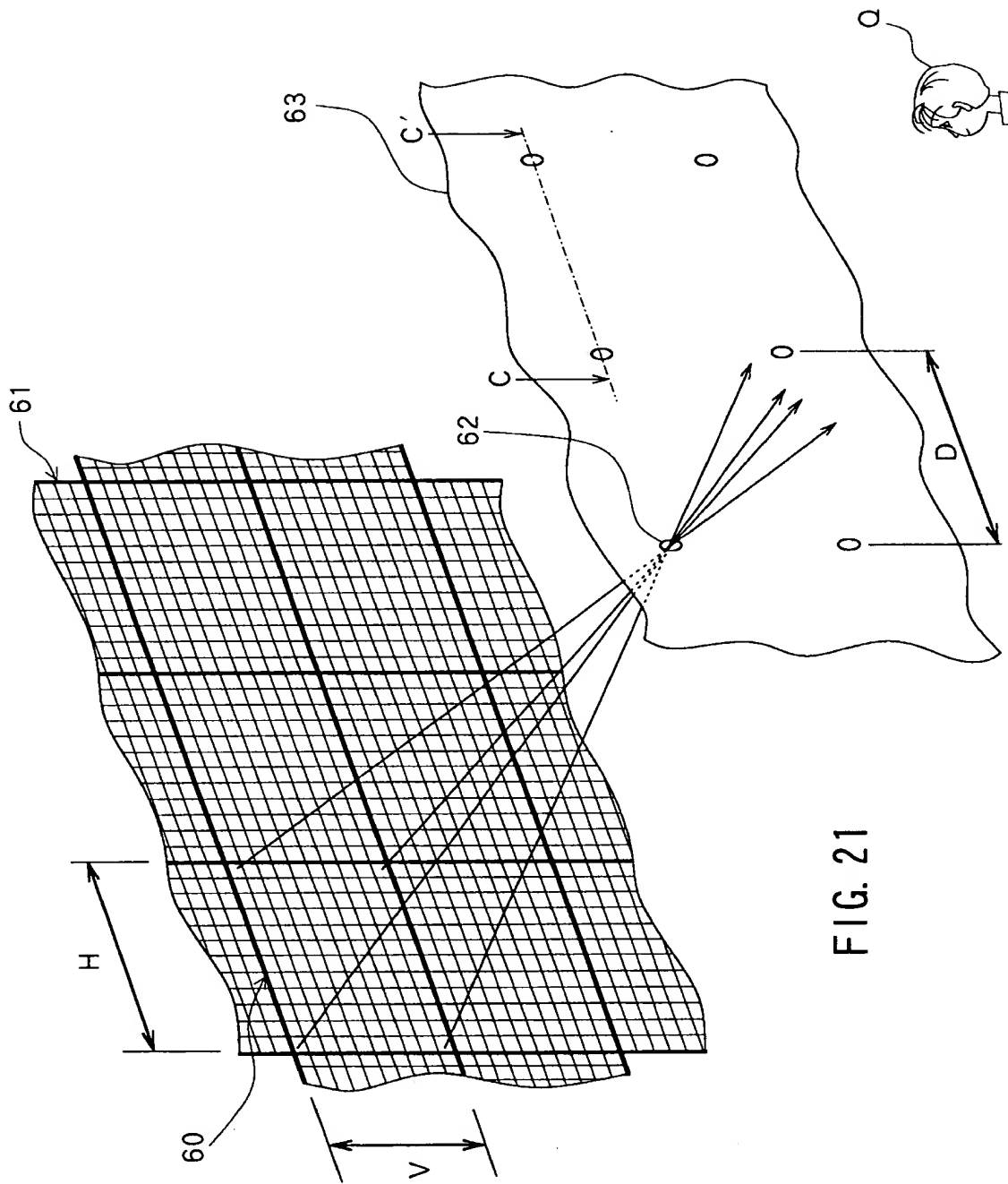


FIG. 20



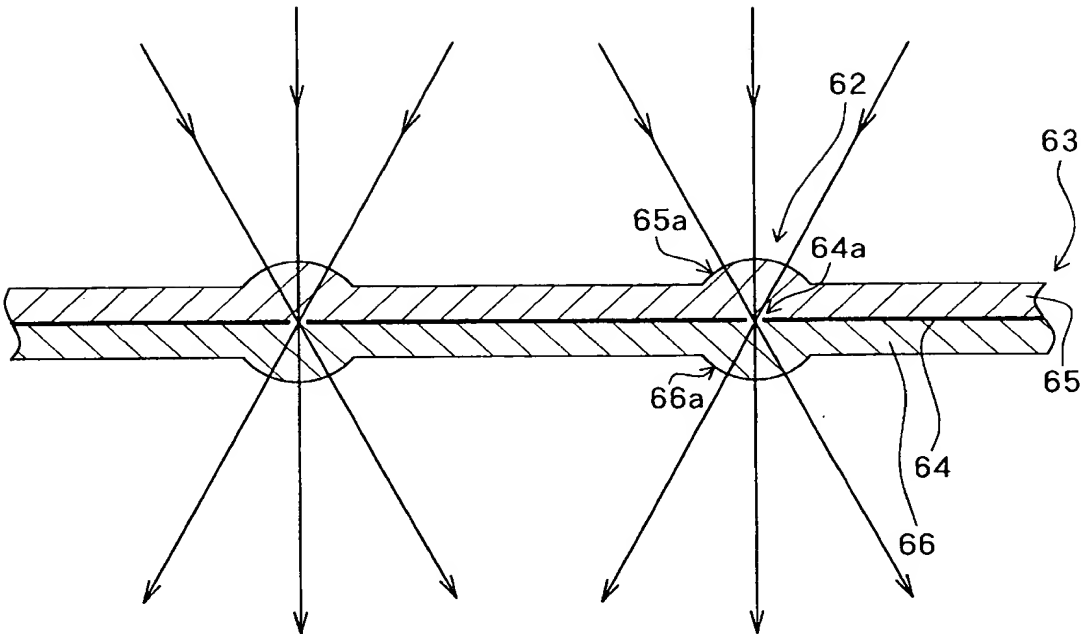
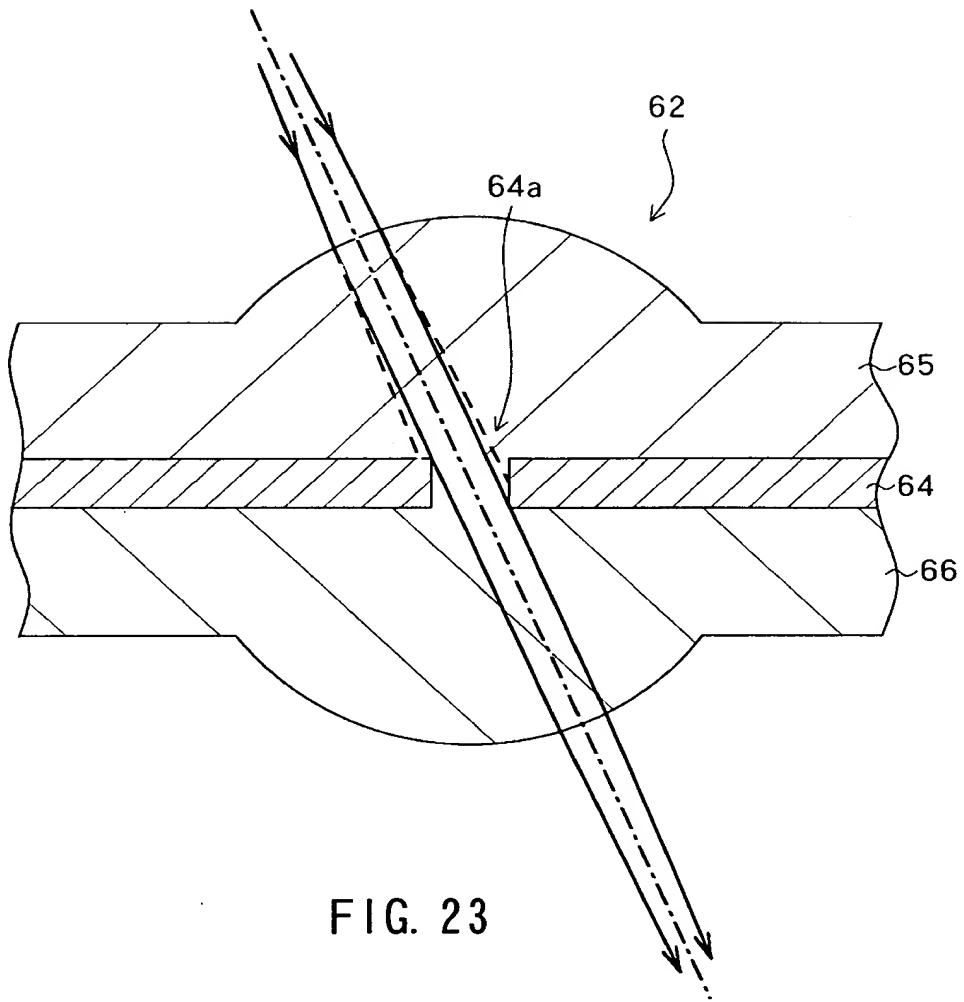


FIG. 22



0946228-0946228

FIG. 24



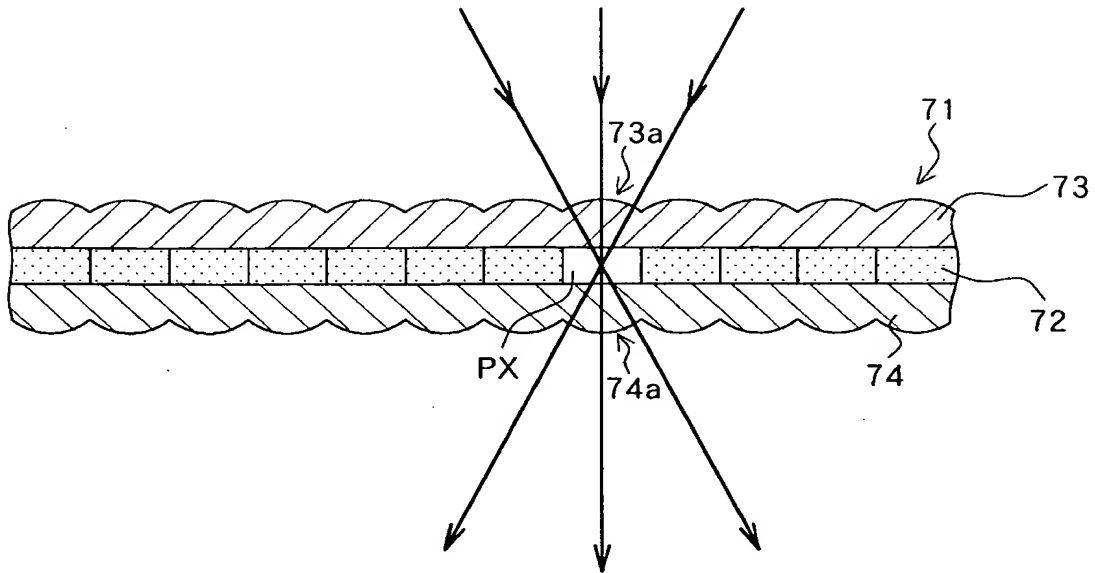


FIG. 25

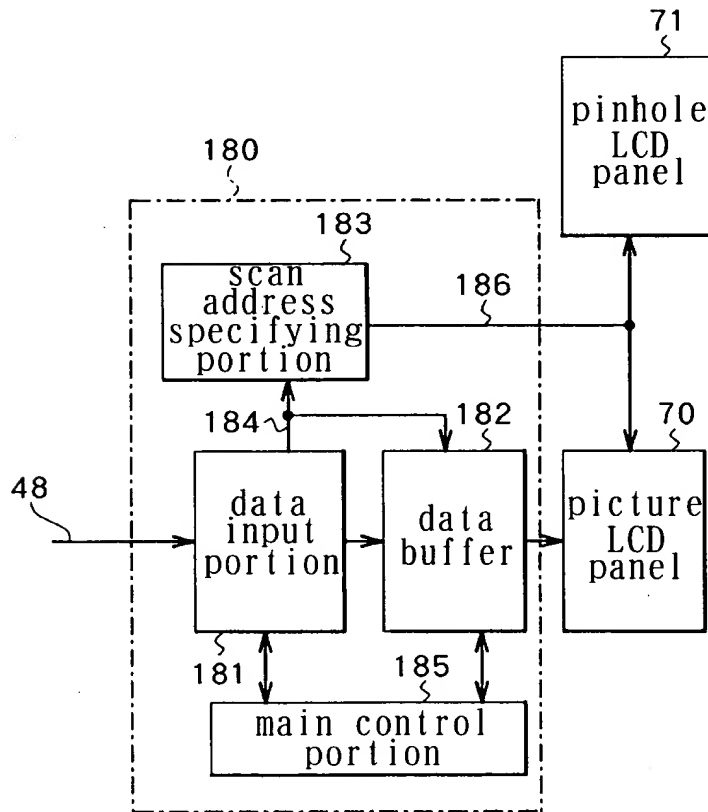


FIG. 26



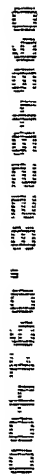
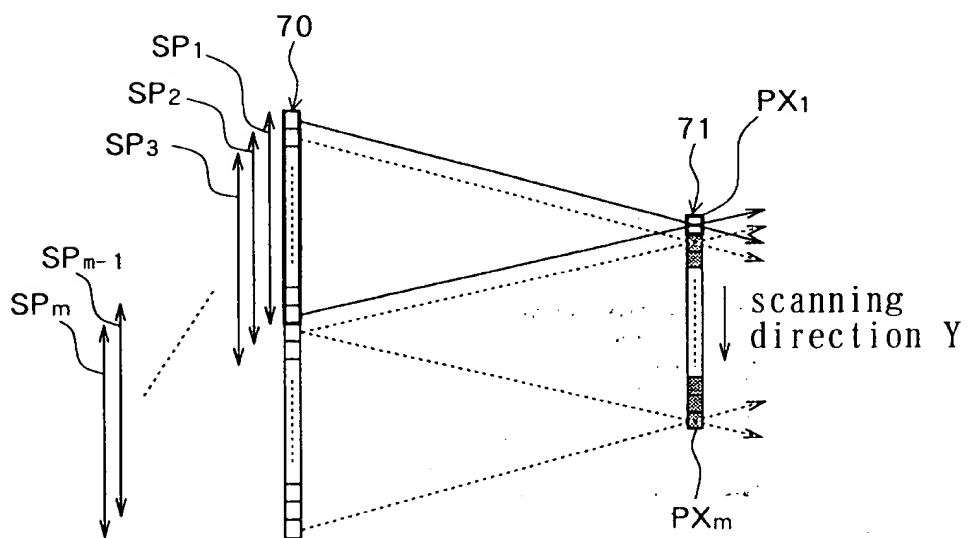


FIG. 28



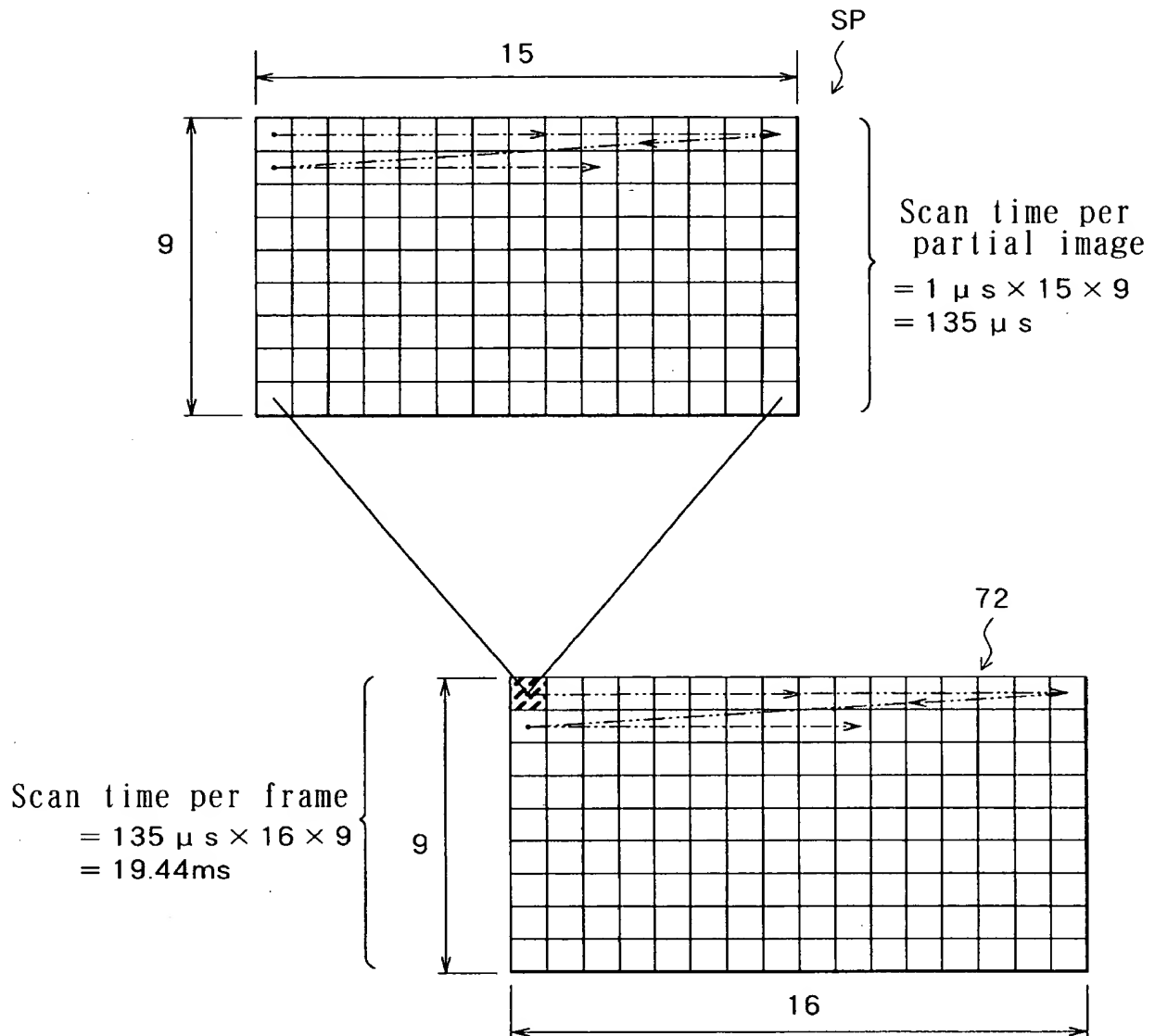


FIG. 29



**FIG. 30**

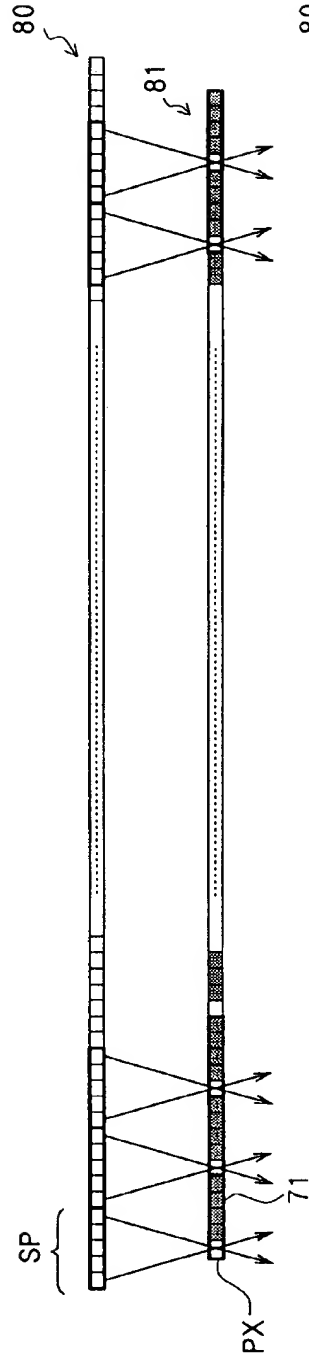


FIG. 31A

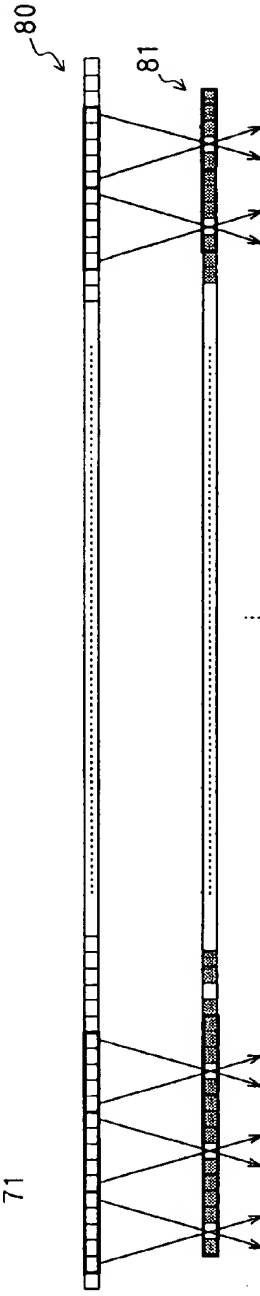


FIG. 31B

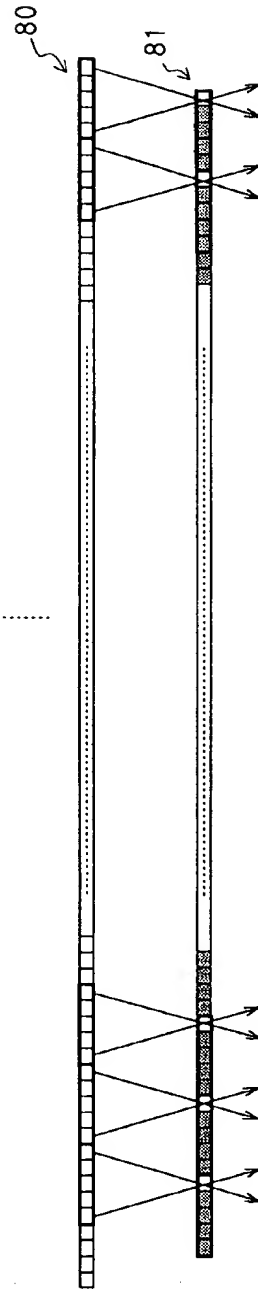


FIG. 31C

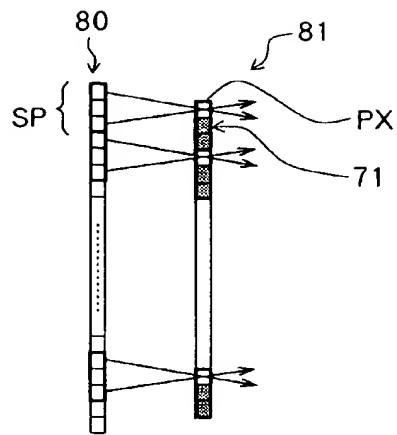


FIG. 32A

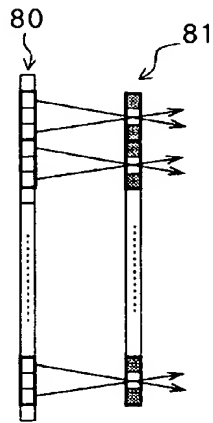


FIG. 32B

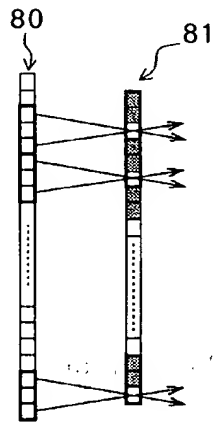


FIG. 32C

0046228-091400

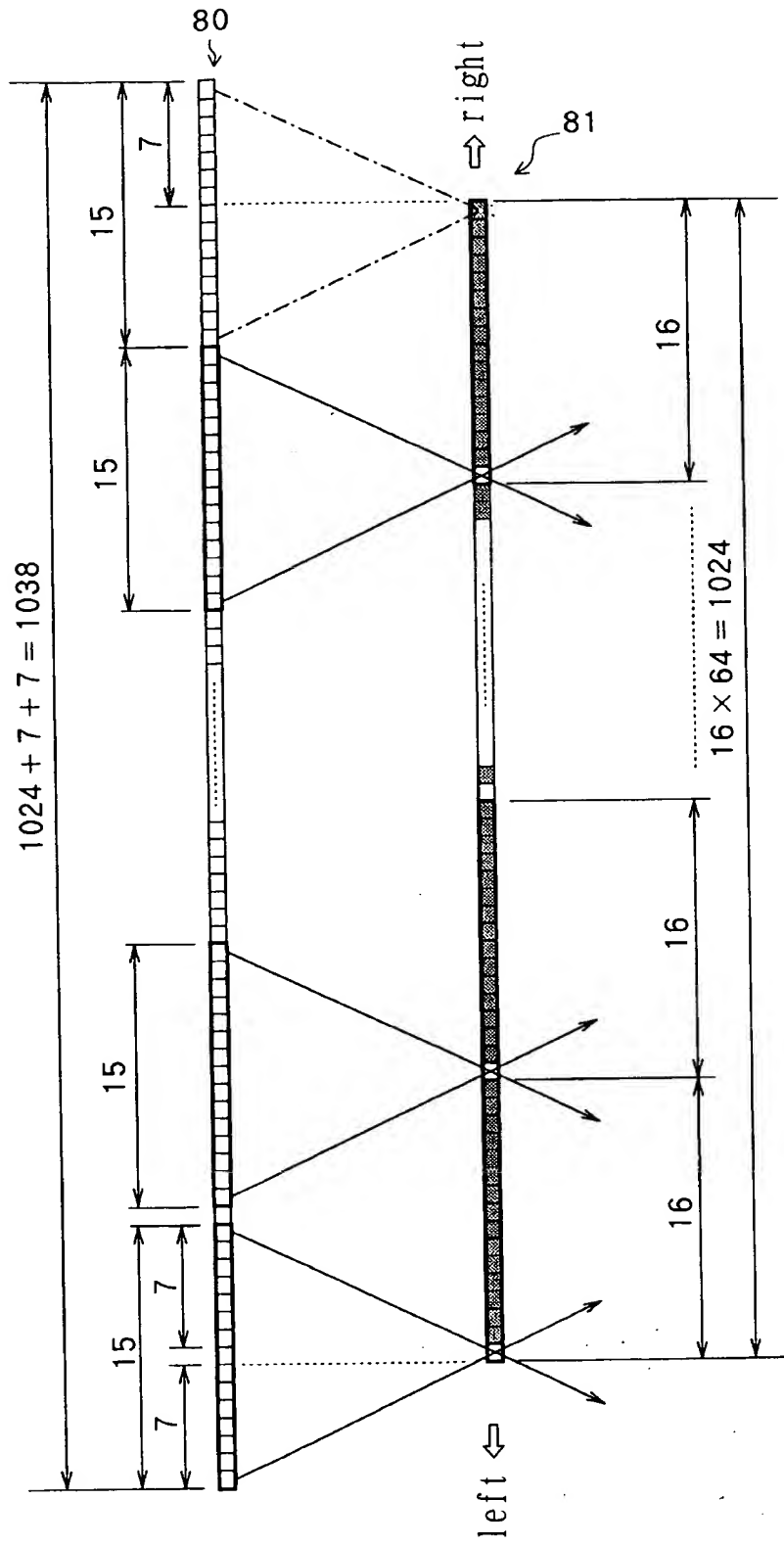


FIG. 33

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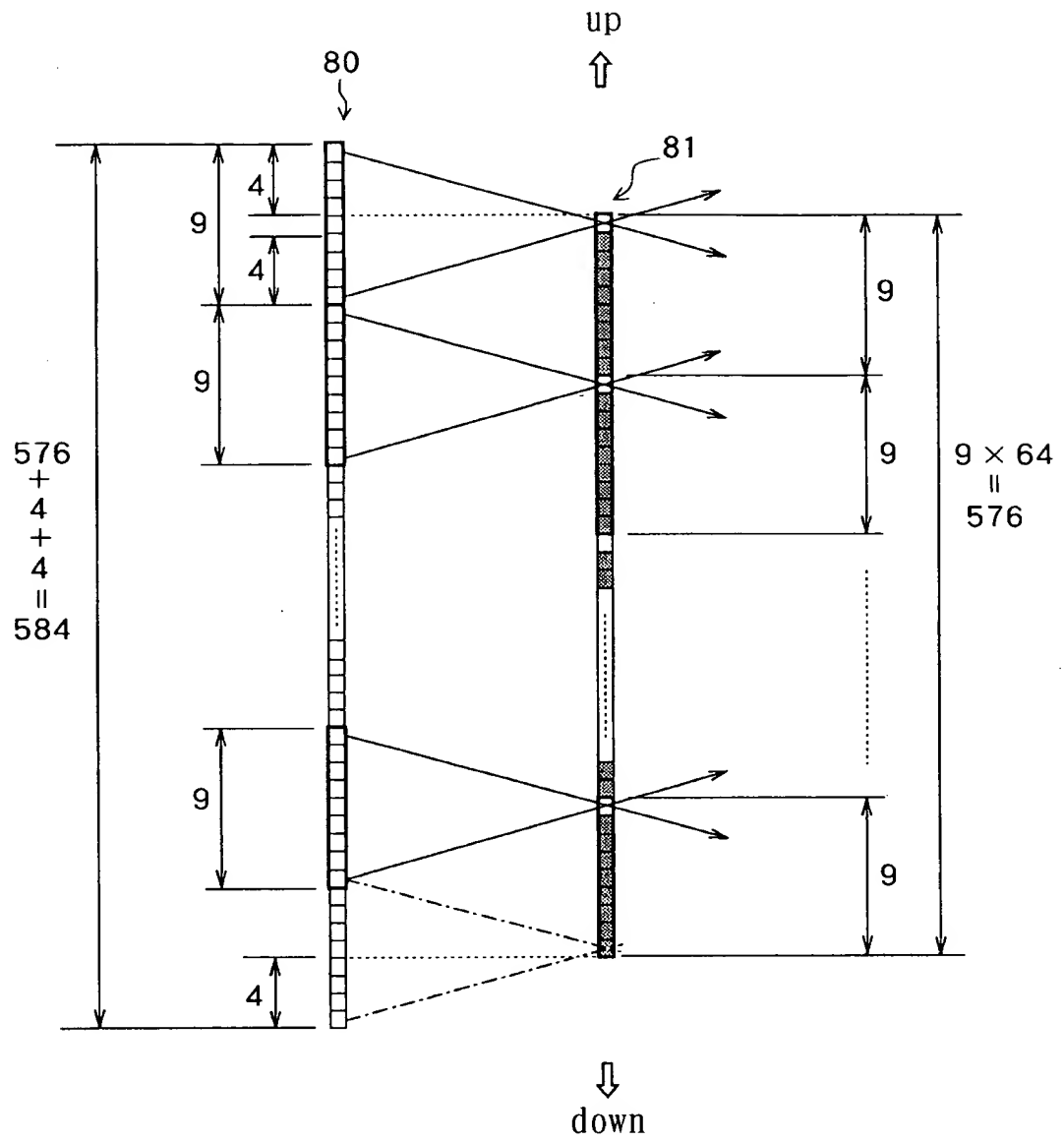


FIG. 34

004460" 82294960

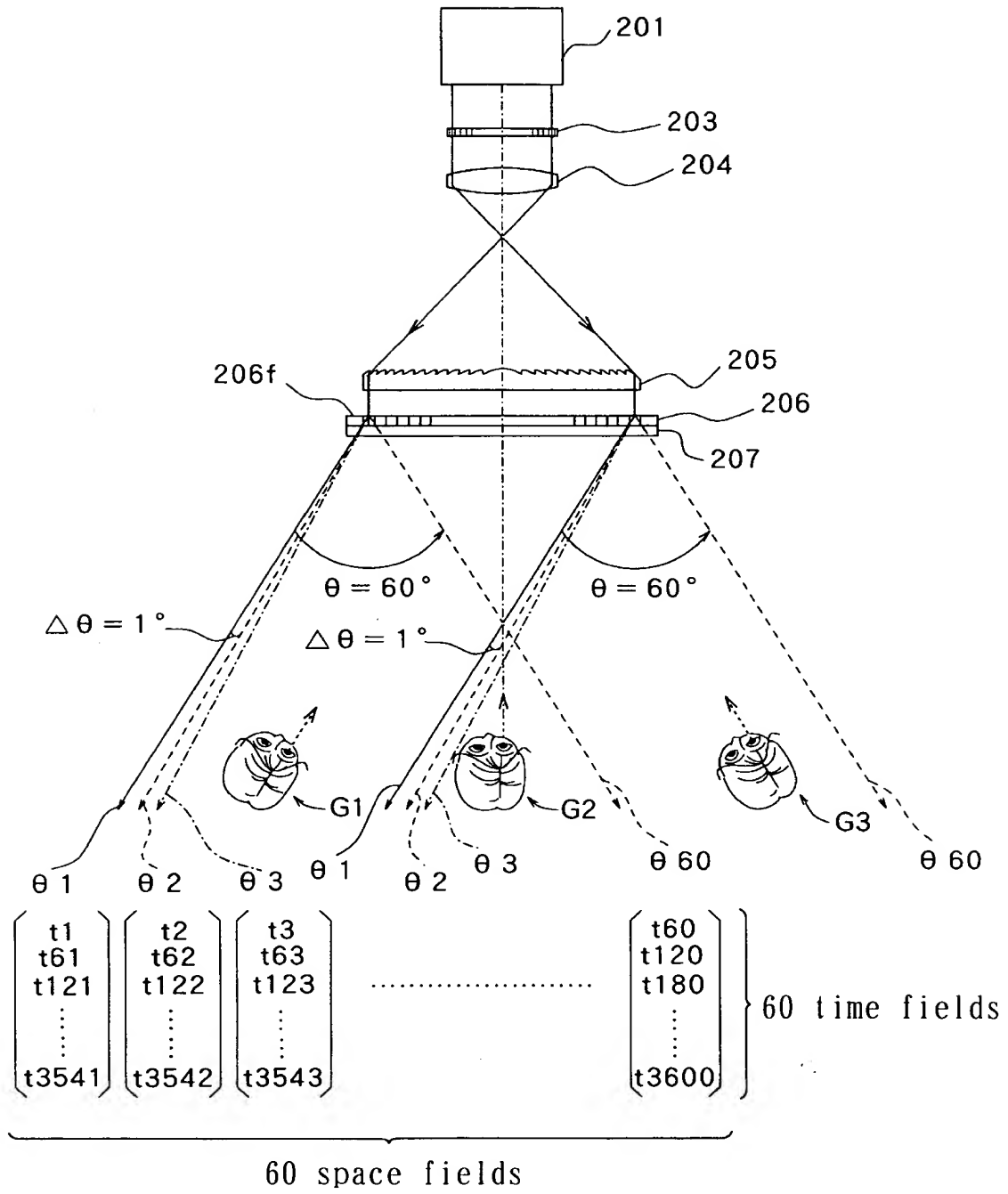


FIG. 35



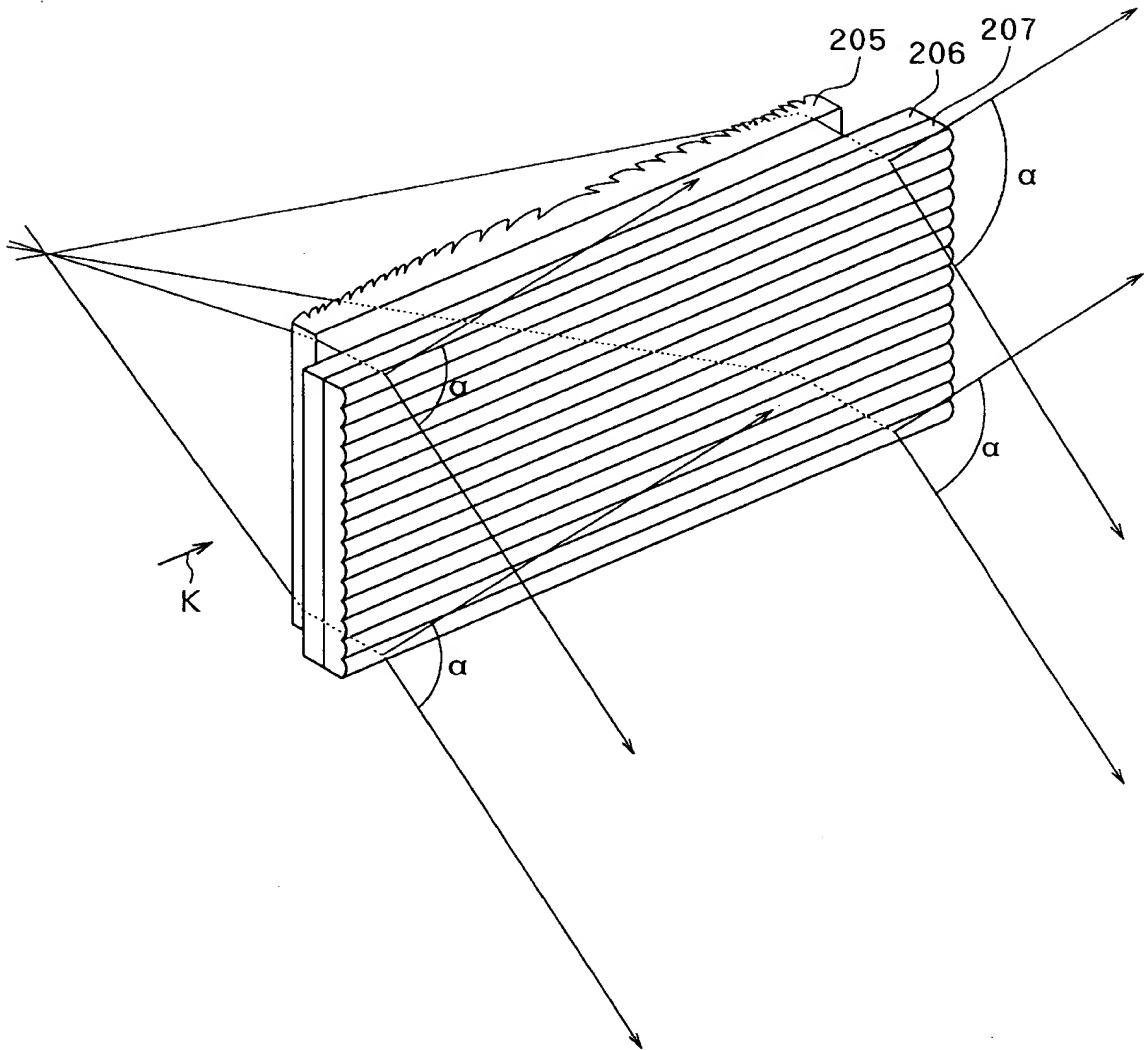


FIG. 36

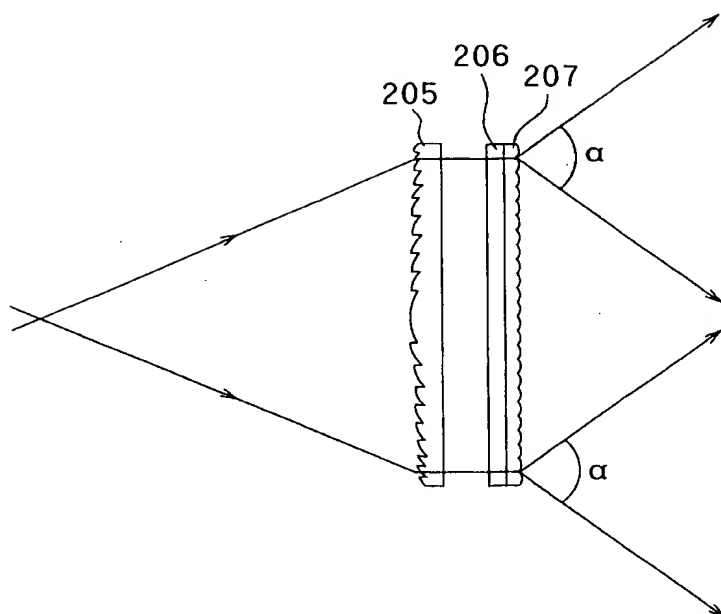


FIG. 37

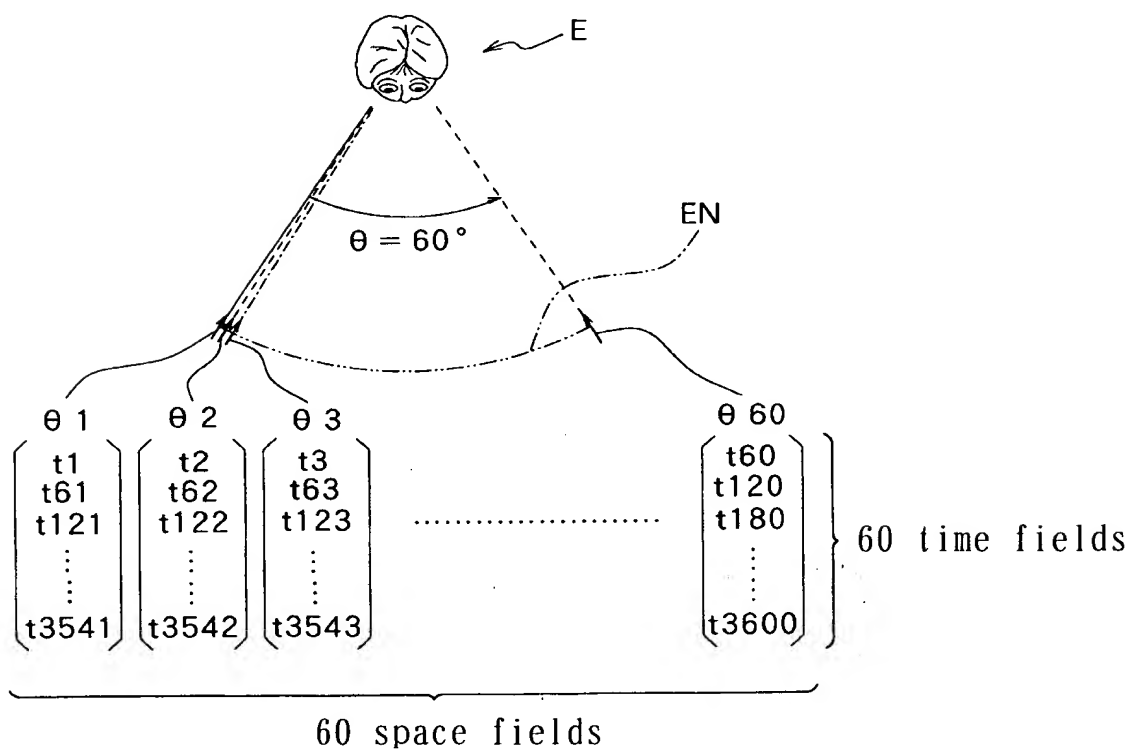


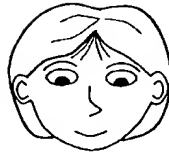
FIG. 38

0046228 82294960



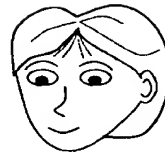
t1[θ 1]

FIG. 39A



t30[θ 30]

FIG. 39B



t60[θ 60]

FIG. 39C

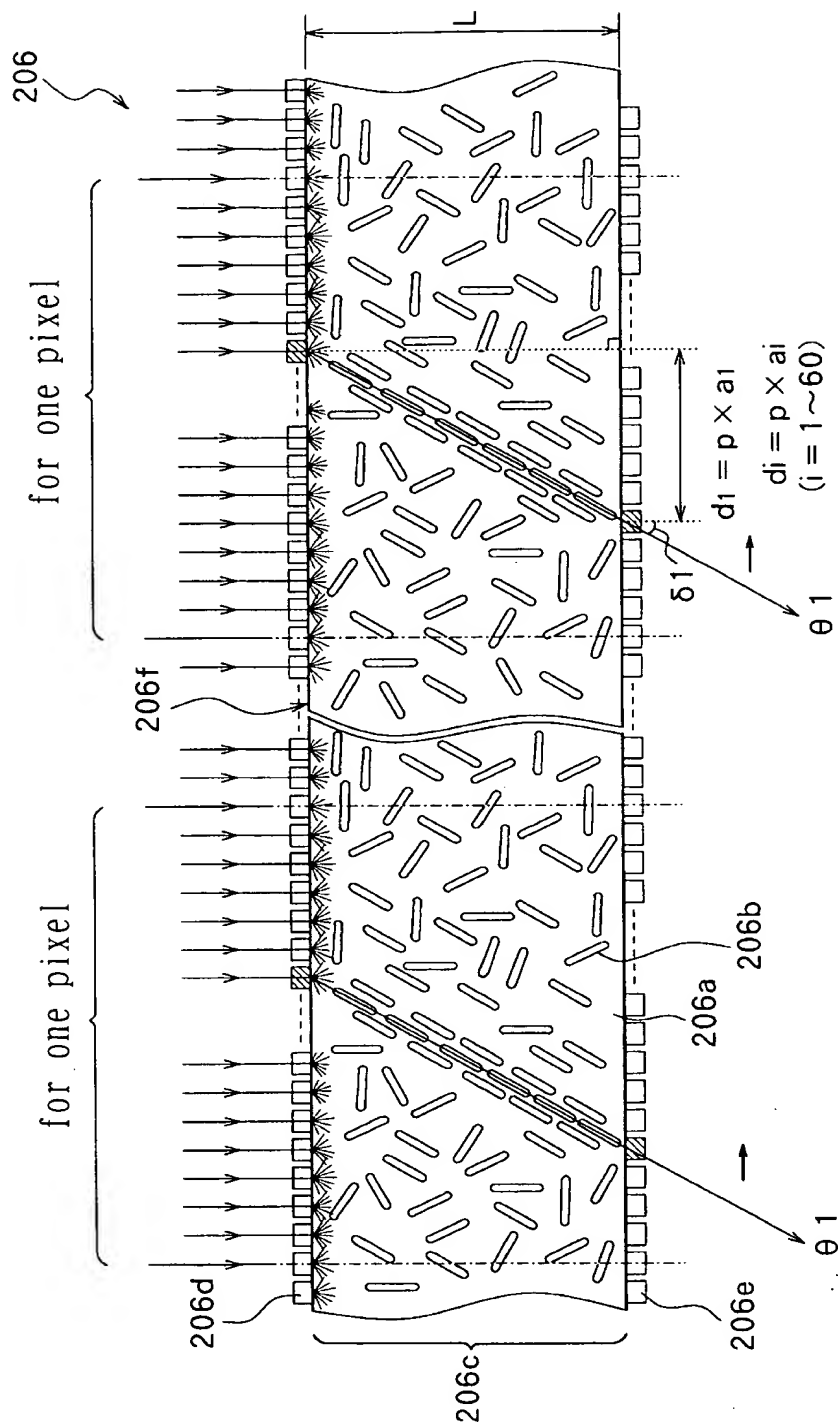


FIG. 40

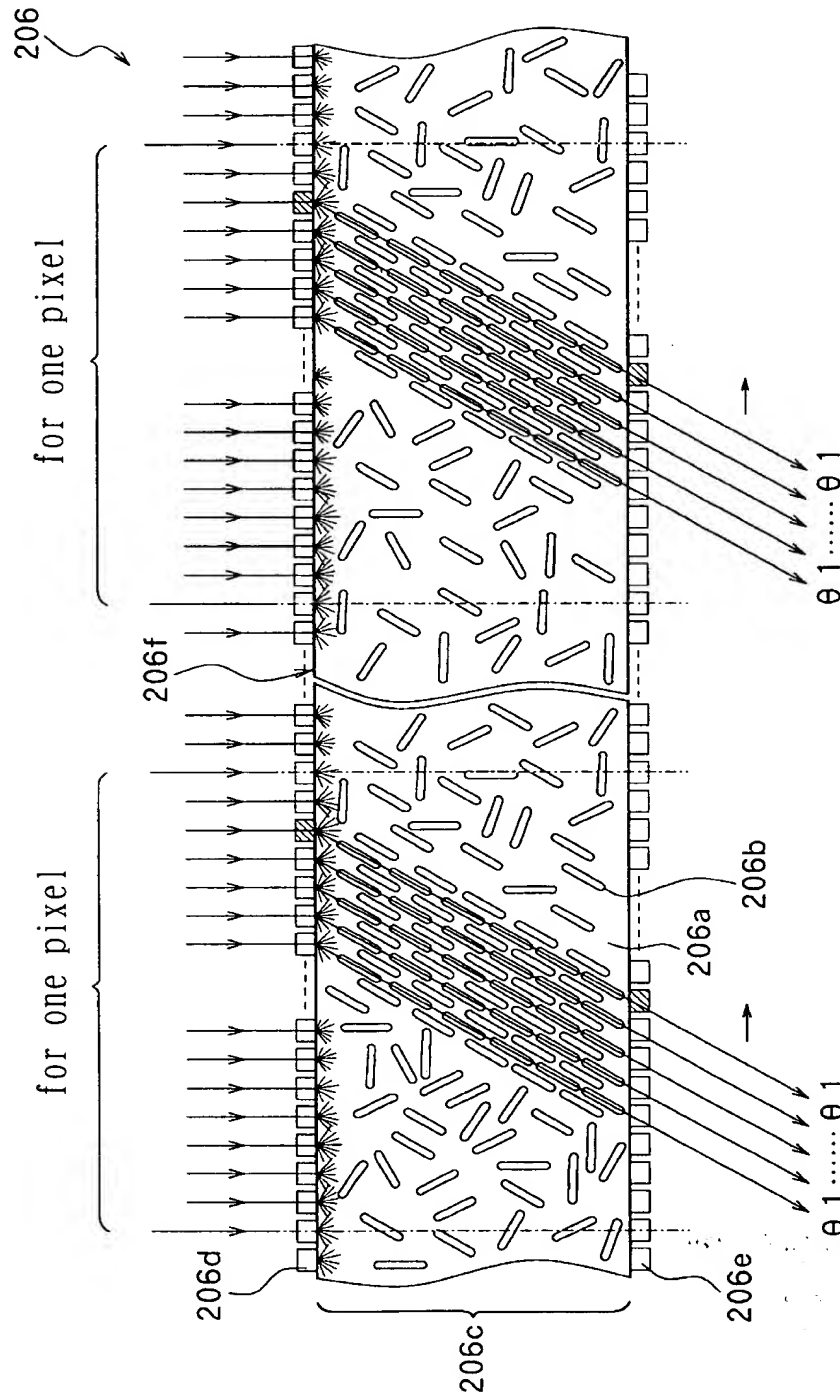


FIG. 41

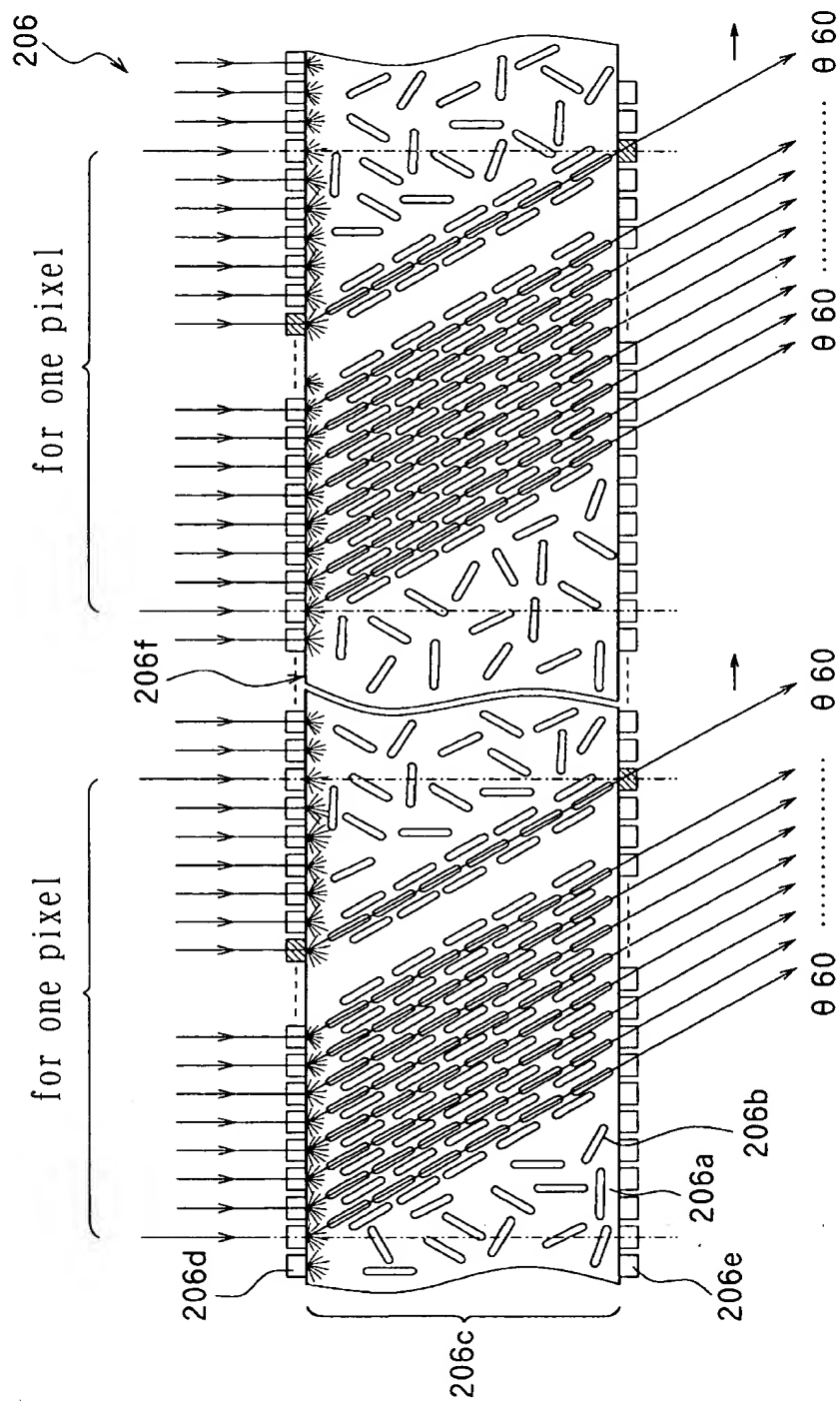


FIG. 42

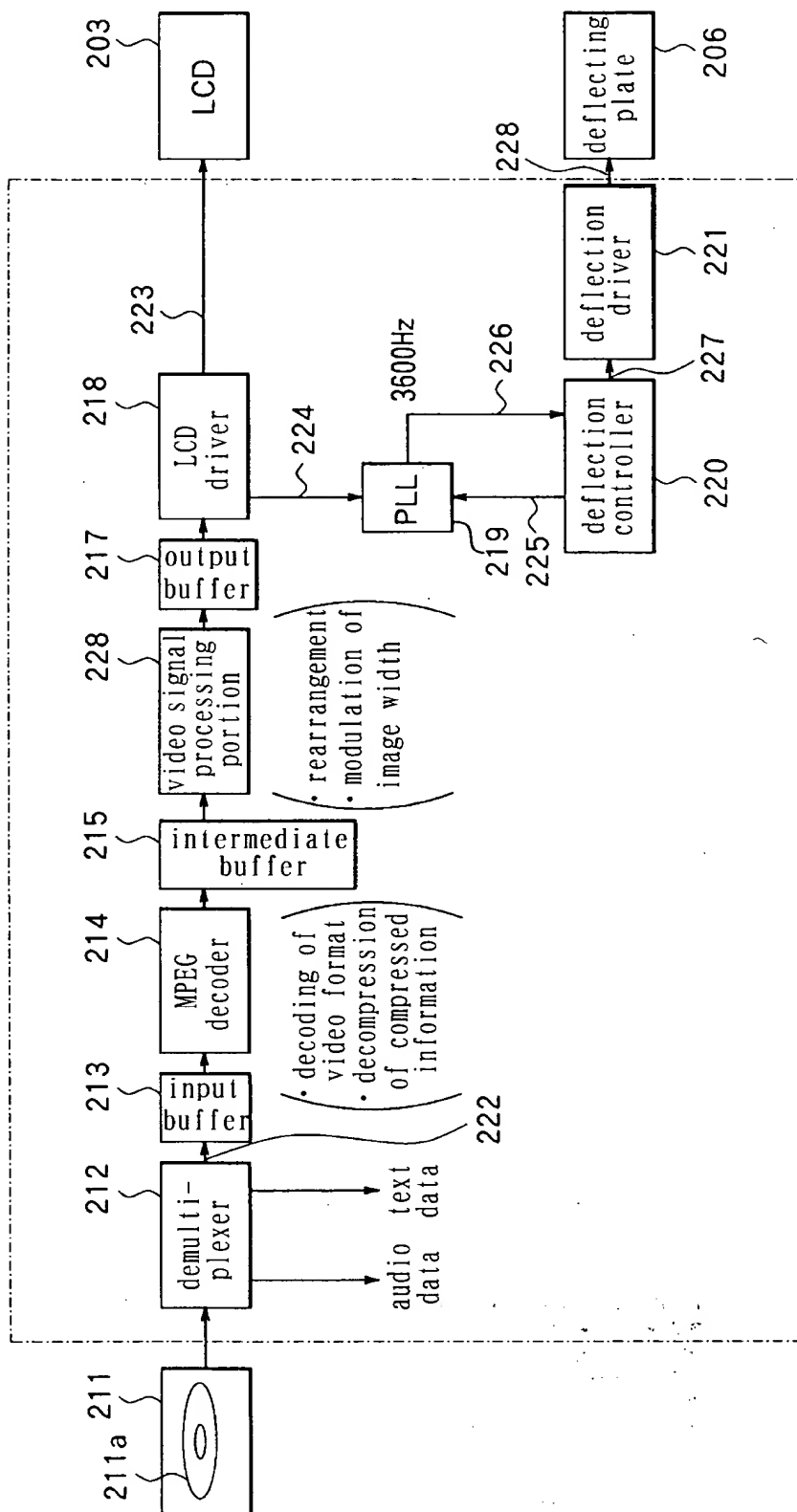


FIG. 43

004160" 32291960

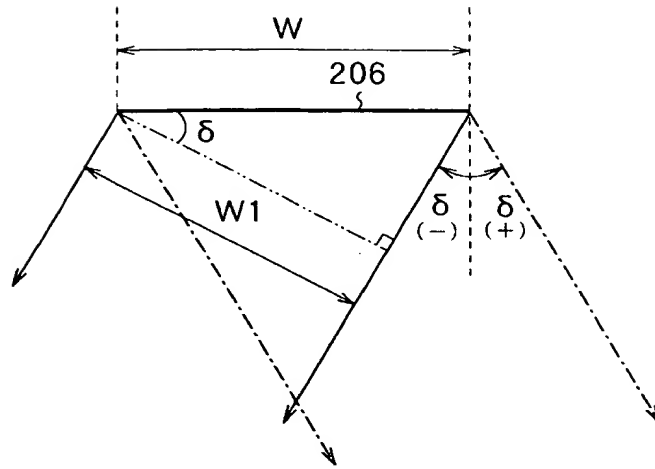


FIG. 44

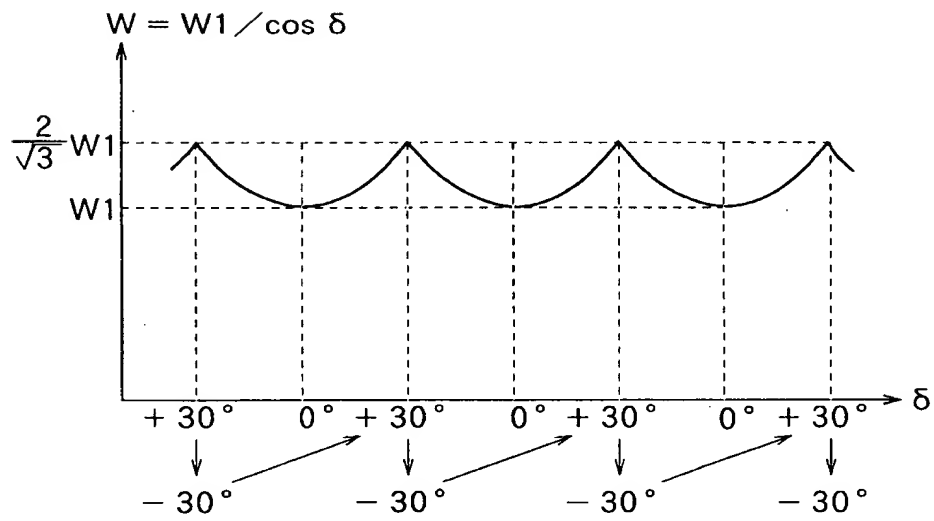
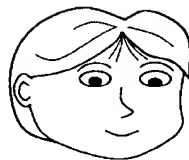
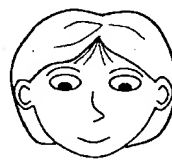


FIG. 45



$\delta = -30^\circ$   
(t1[θ 1])

FIG. 46A



$\delta = 0^\circ$   
(t30[θ 30])

FIG. 46B



$\delta = +30^\circ$   
(t60[θ 60])

FIG. 46C



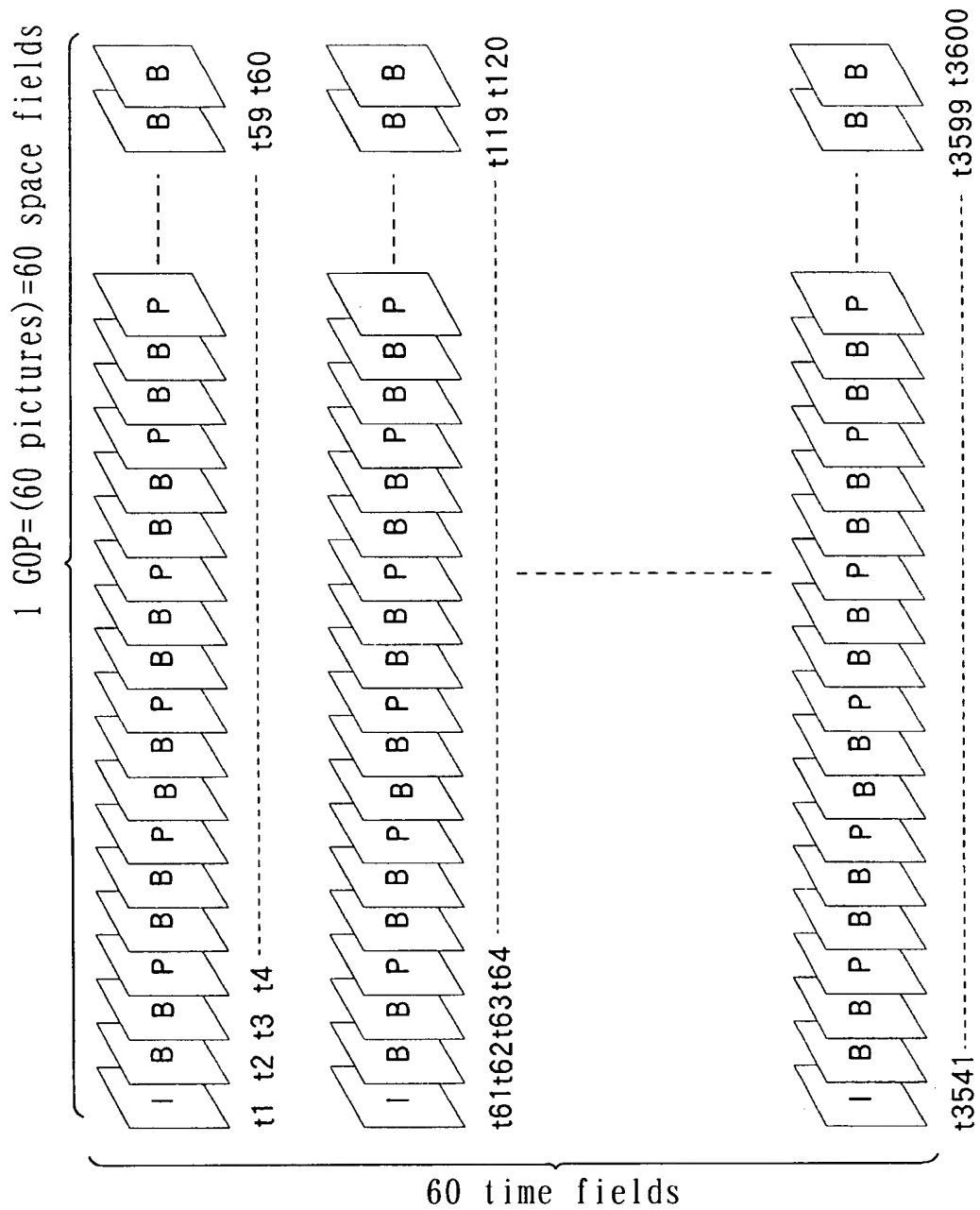


FIG. 47

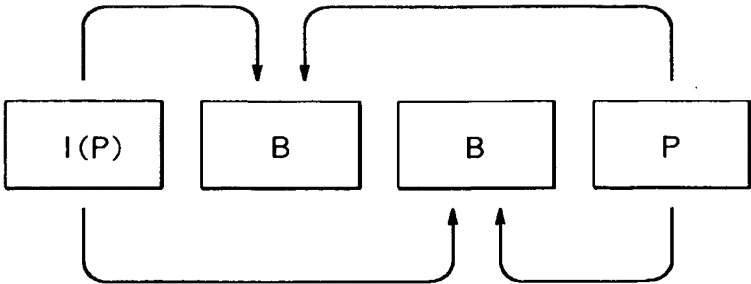


FIG. 48

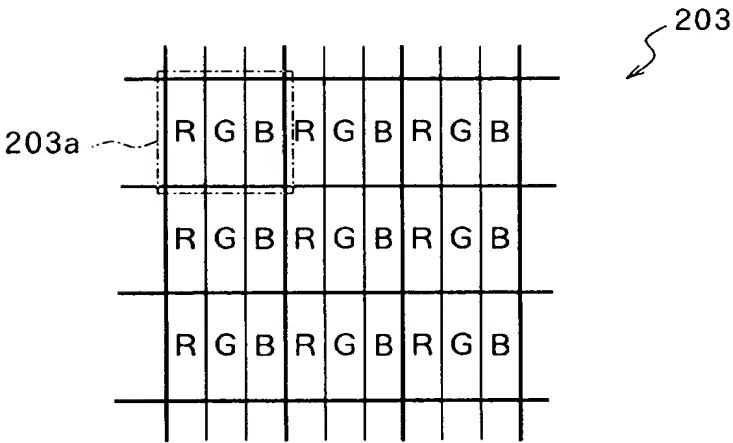


FIG. 49

FIG. 50

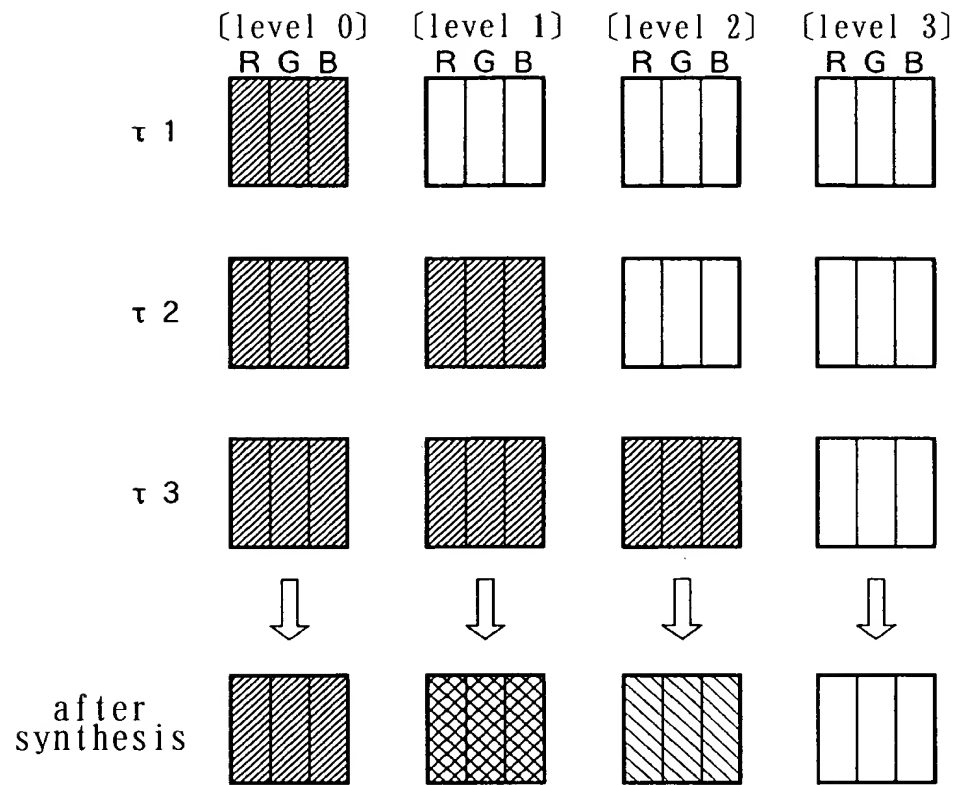
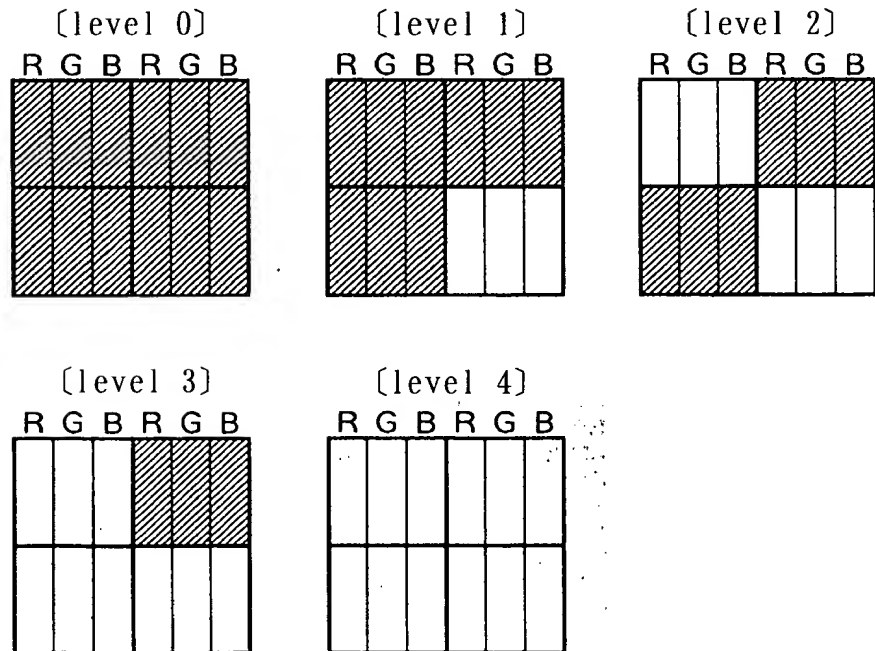


FIG. 51



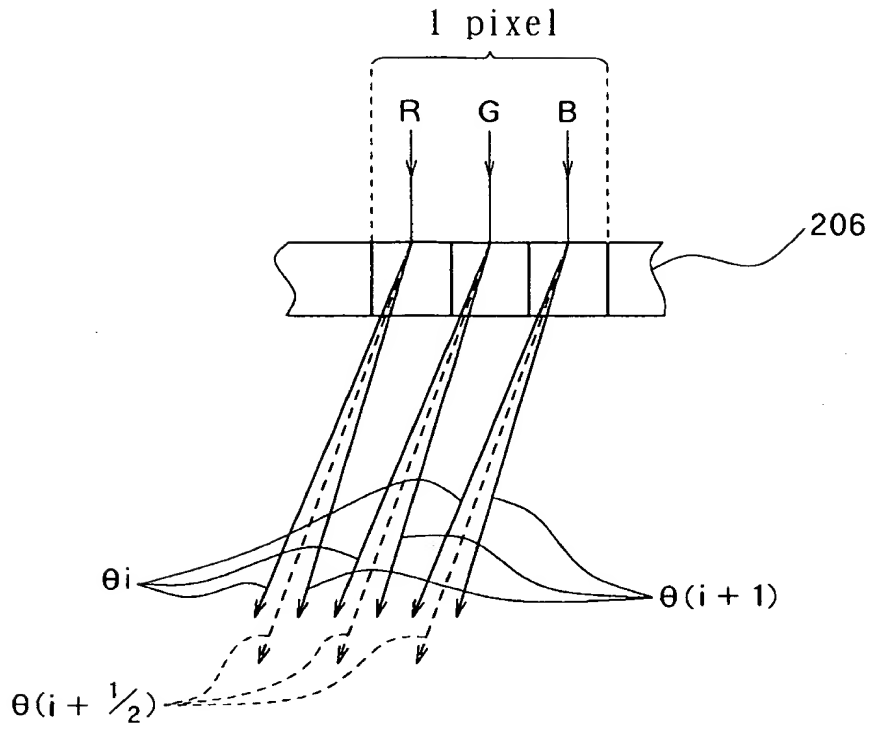


FIG. 52

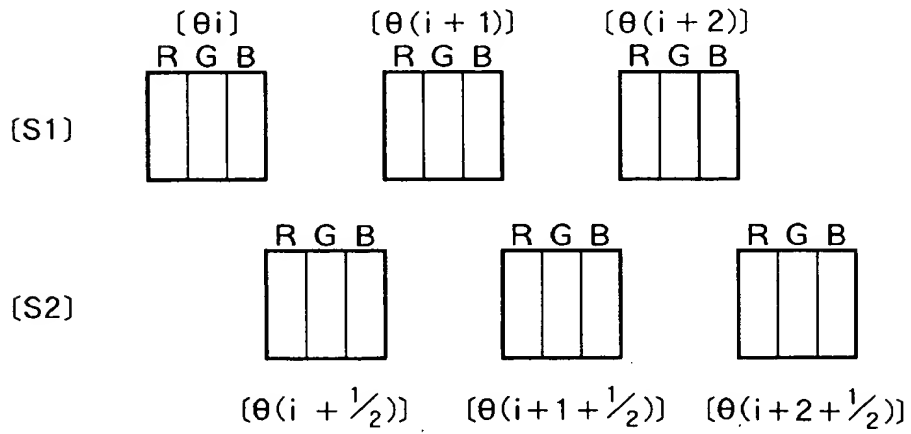


FIG. 53

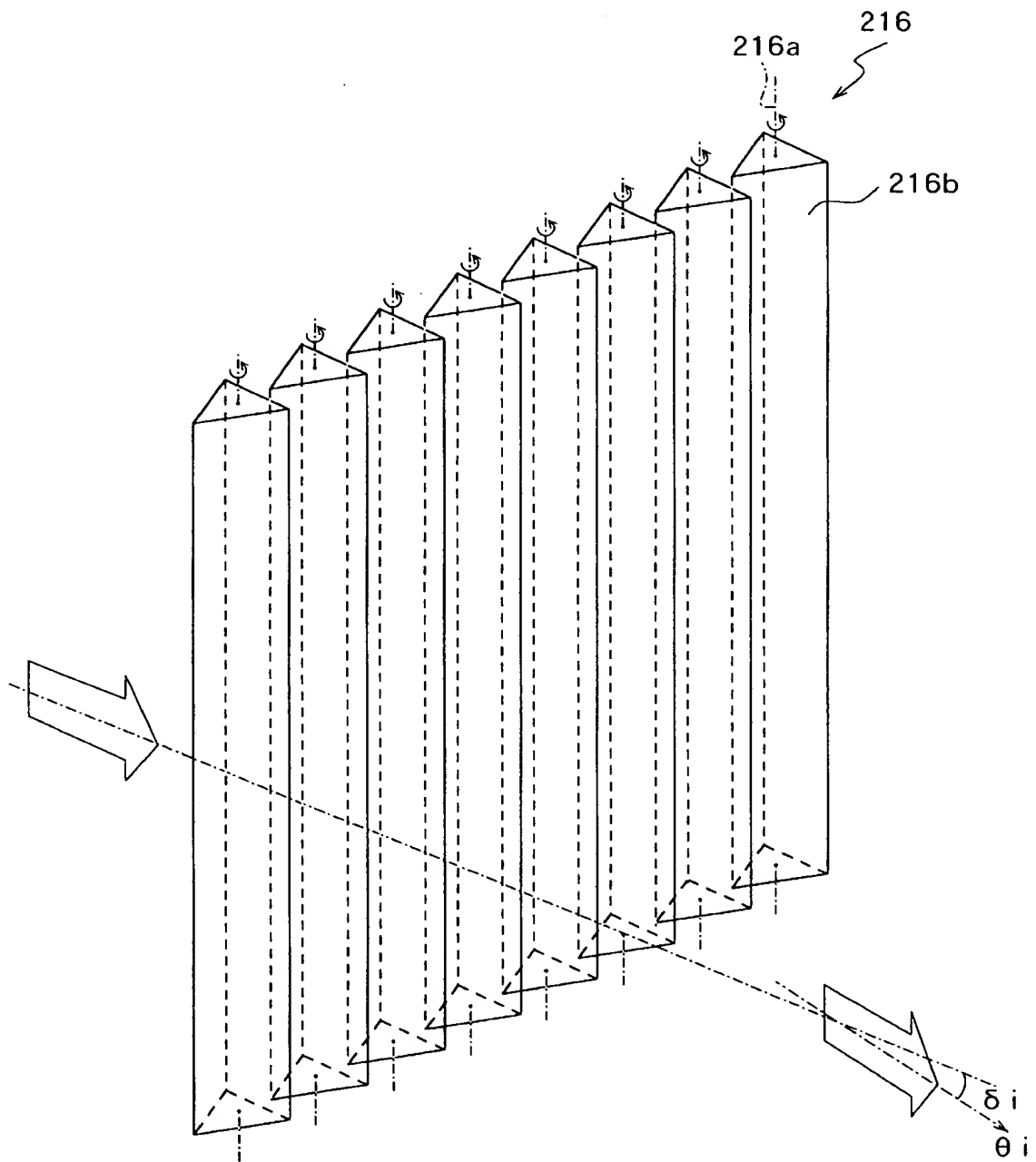


FIG. 54

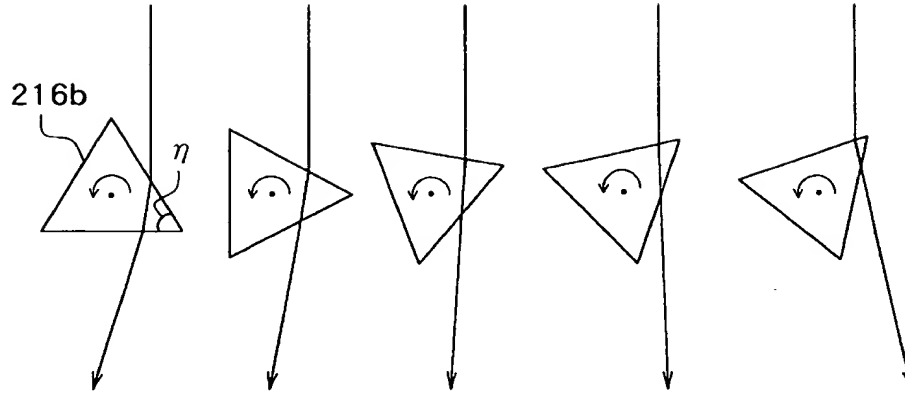


FIG. 55A FIG. 55B FIG. 55C FIG. 55D FIG. 55E

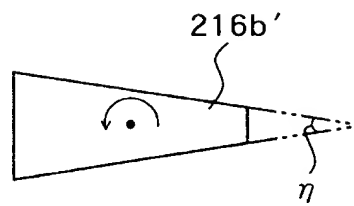


FIG. 56

004160" 82291960

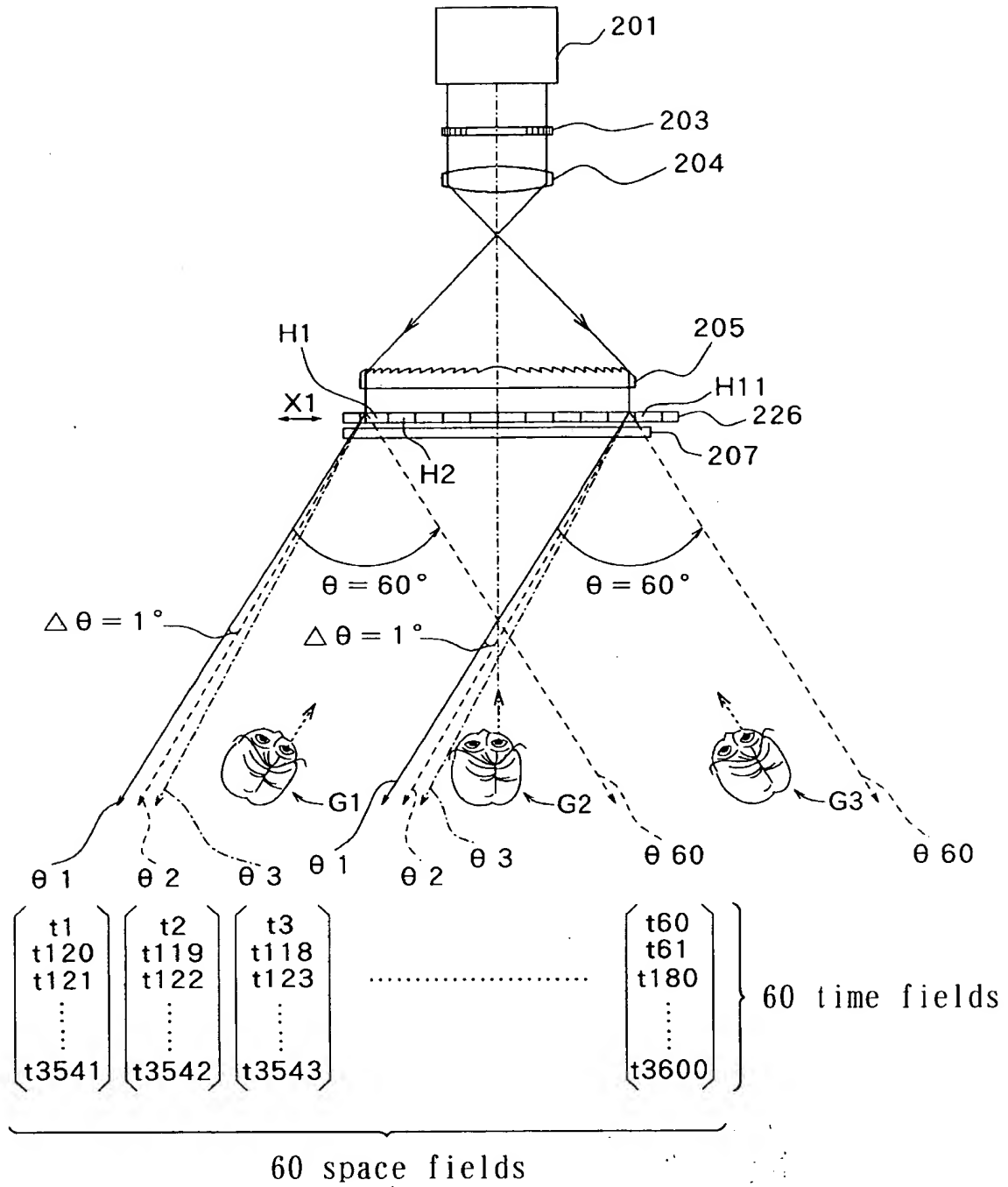


FIG. 57

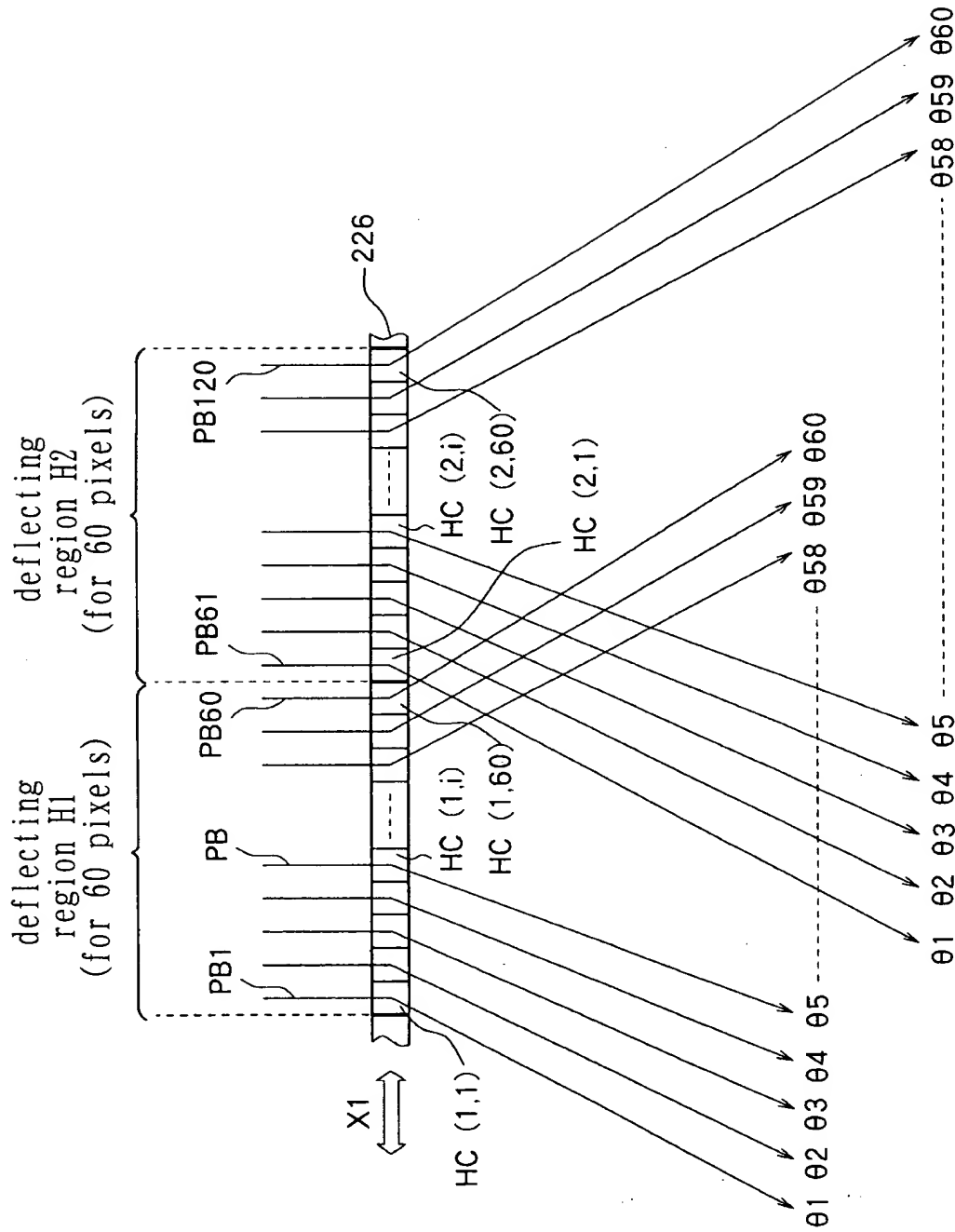


FIG. 58



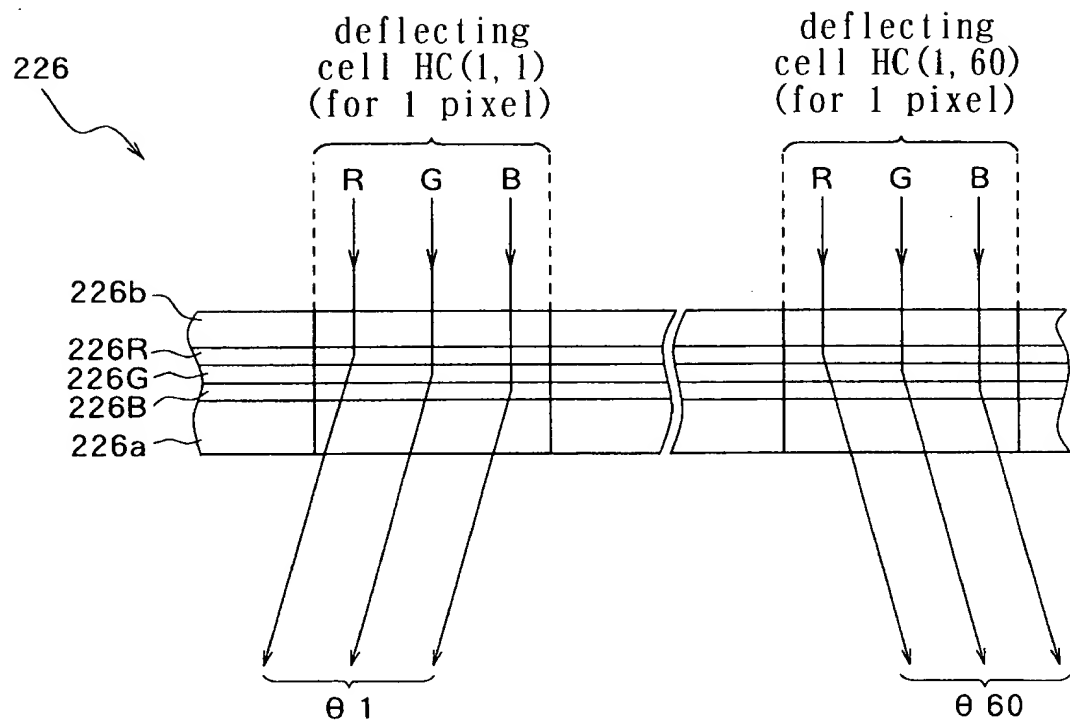
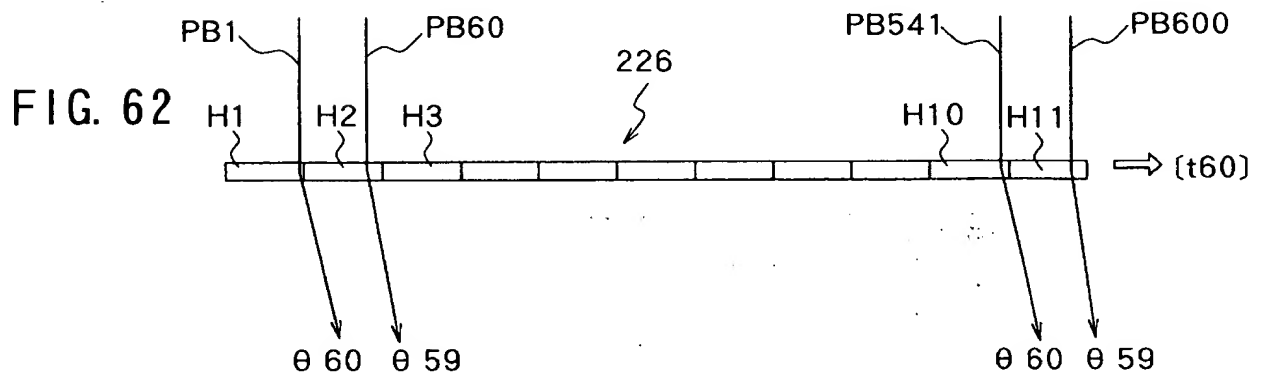
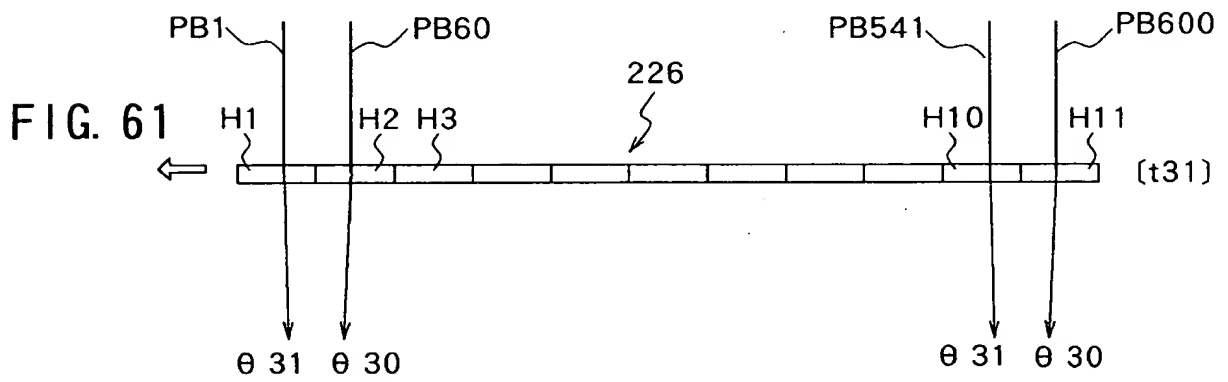
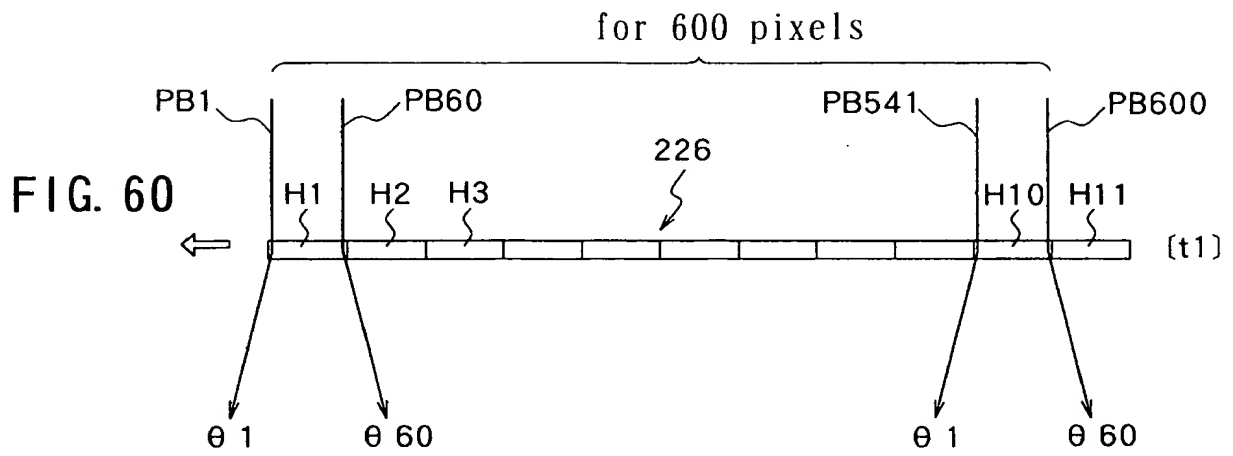


FIG. 59



|                 | deflecting<br>region H1 |     |     |     |     | deflecting<br>region H2 |     |     |     |     | deflecting<br>region H60 |     |     |     |     |
|-----------------|-------------------------|-----|-----|-----|-----|-------------------------|-----|-----|-----|-----|--------------------------|-----|-----|-----|-----|
|                 | t                       | 1   | 2   | 59  | 60  | 61                      | 62  | 119 | 120 | 121 | 122                      | 541 | 542 | 599 | 600 |
| 60 space fields | t1                      | 01  | 02  | 059 | 060 | 01                      | 02  | 059 | 060 | 01  | 02                       | 01  | 02  | 059 | 060 |
|                 | t2                      | 02  | 03  | 060 | 01  | 02                      | 03  | 060 | 01  | 02  | 03                       | 02  | 03  | 060 | 01  |
|                 | t3                      | 03  | 04  | 01  | 02  | 03                      | 04  | 01  | 02  | 03  | 04                       | 03  | 04  | 01  | 02  |
|                 |                         |     |     |     |     |                         |     |     |     |     |                          |     |     |     |     |
| 60 space fields | t59                     | 059 | 060 | 057 | 058 | 059                     | 060 | 057 | 058 | 059 | 060                      | 059 | 060 | 057 | 058 |
|                 | t60                     | 060 | 01  | 058 | 059 | 060                     | 01  | 058 | 059 | 060 | 01                       | 060 | 01  | 058 | 059 |
|                 | t61                     | 060 | 01  | 058 | 059 | 060                     | 01  | 058 | 059 | 060 | 01                       | 060 | 01  | 058 | 059 |
|                 | t62                     | 059 | 060 | 057 | 058 | 059                     | 060 | 057 | 058 | 059 | 060                      | 059 | 060 | 057 | 058 |
| 60 space fields | t63                     | 058 | 059 | 056 | 057 | 058                     | 059 | 056 | 057 | 058 | 059                      | 058 | 059 | 056 | 057 |
|                 |                         |     |     |     |     |                         |     |     |     |     |                          |     |     |     |     |
|                 | t119                    | 02  | 03  | 060 | 01  | 02                      | 03  | 060 | 01  | 02  | 03                       | 02  | 03  | 060 | 01  |
|                 | t120                    | 01  | 02  | 059 | 060 | 01                      | 02  | 059 | 060 | 01  | 02                       | 01  | 02  | 059 | 060 |
| 60 space fields | t121                    | 01  | 02  | 059 | 060 | 01                      | 02  | 059 | 060 | 01  | 02                       | 01  | 02  | 059 | 060 |
|                 | t122                    | 02  | 03  | 060 | 01  | 02                      | 03  | 060 | 01  | 02  | 03                       | 02  | 03  | 060 | 01  |
|                 | t123                    | 03  | 04  | 01  | 02  | 03                      | 04  | 01  | 02  | 03  | 04                       | 03  | 04  | 01  | 02  |
|                 |                         |     |     |     |     |                         |     |     |     |     |                          |     |     |     |     |
| 60 space fields | t179                    | 059 | 060 | 057 | 058 | 059                     | 060 | 057 | 058 | 059 | 060                      | 059 | 060 | 057 | 058 |
|                 | t180                    | 060 | 01  | 058 | 059 | 060                     | 01  | 058 | 059 | 060 | 01                       | 060 | 01  | 058 | 059 |
|                 |                         |     |     |     |     |                         |     |     |     |     |                          |     |     |     |     |
|                 |                         |     |     |     |     |                         |     |     |     |     |                          |     |     |     |     |
| 60 space fields | t3541                   | 060 | 01  | 058 | 059 | 060                     | 01  | 058 | 059 | 060 | 01                       | 060 | 01  | 058 | 059 |
|                 | t3542                   | 059 | 060 | 057 | 058 | 059                     | 060 | 057 | 058 | 059 | 060                      | 059 | 060 | 057 | 058 |
|                 | t3543                   | 058 | 059 | 056 | 057 | 058                     | 059 | 056 | 057 | 058 | 059                      | 058 | 059 | 056 | 057 |
|                 |                         |     |     |     |     |                         |     |     |     |     |                          |     |     |     |     |
| 60 space fields | t3599                   | 02  | 03  | 060 | 01  | 02                      | 03  | 060 | 01  | 02  | 03                       | 02  | 03  | 060 | 01  |
|                 | t3600                   | 01  | 02  | 059 | 060 | 01                      | 02  | 059 | 060 | 01  | 02                       | 01  | 02  | 059 | 060 |
|                 |                         |     |     |     |     |                         |     |     |     |     |                          |     |     |     |     |
|                 |                         |     |     |     |     |                         |     |     |     |     |                          |     |     |     |     |

FIG. 63

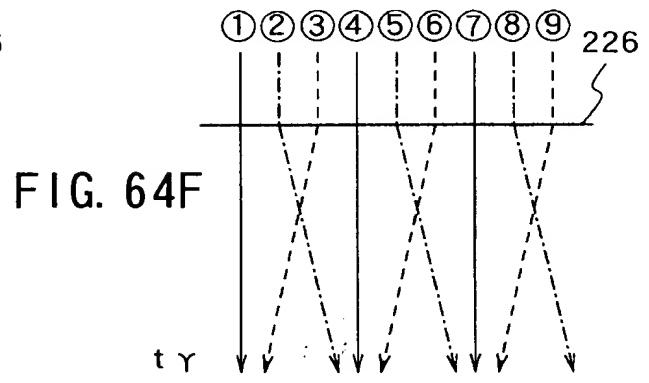
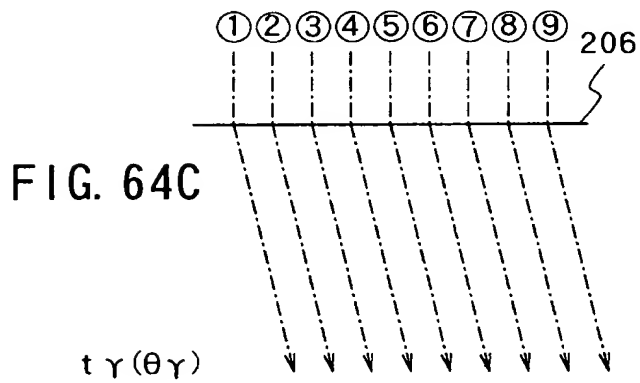
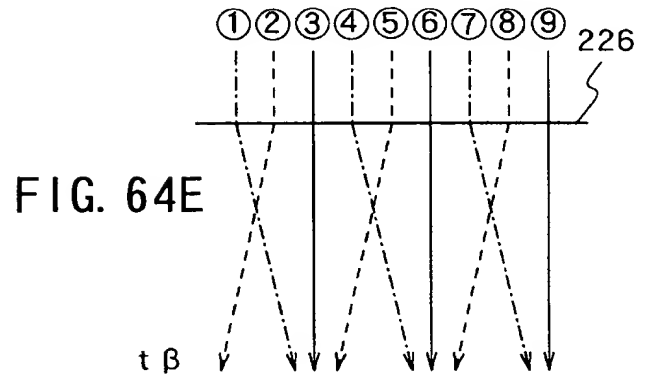
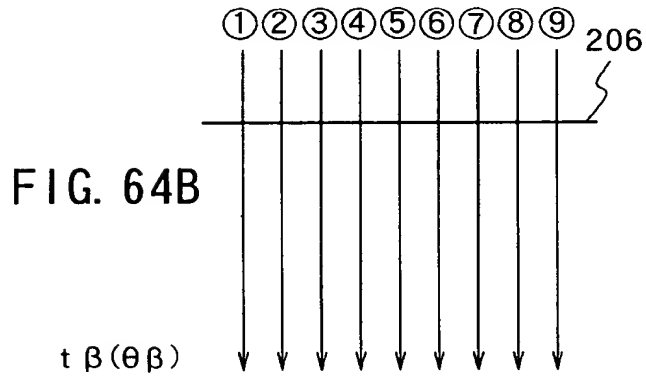
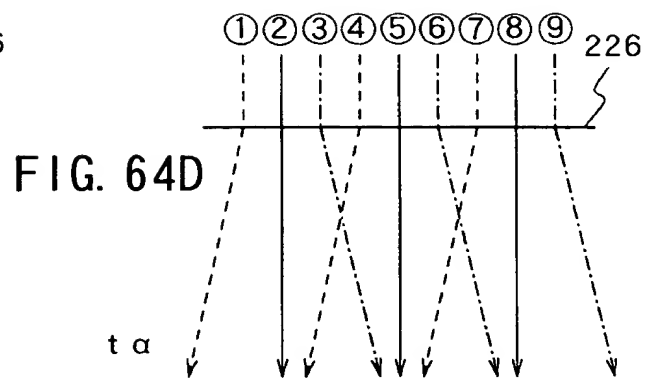
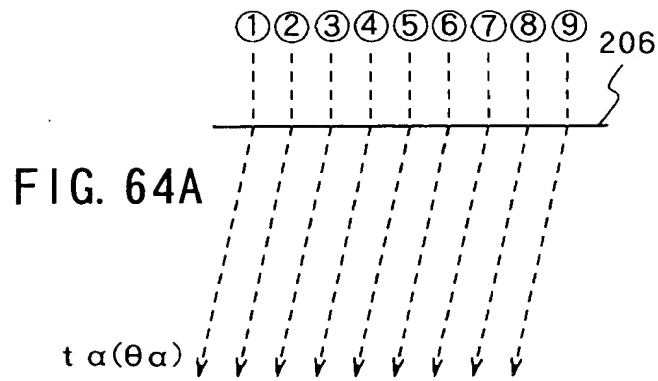


FIG. 65

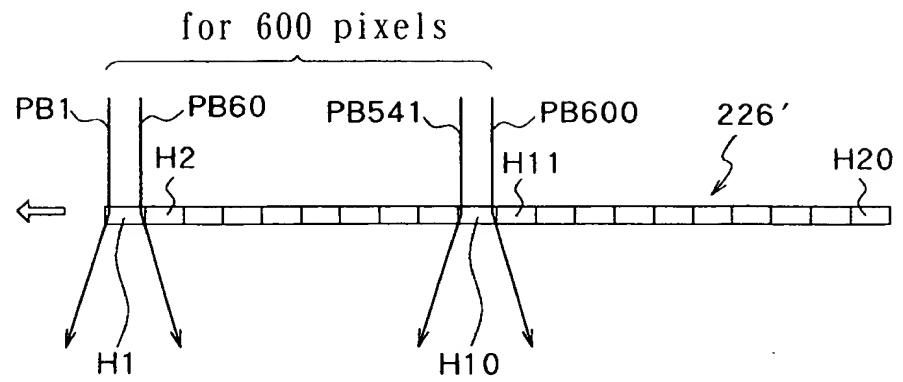


FIG. 66

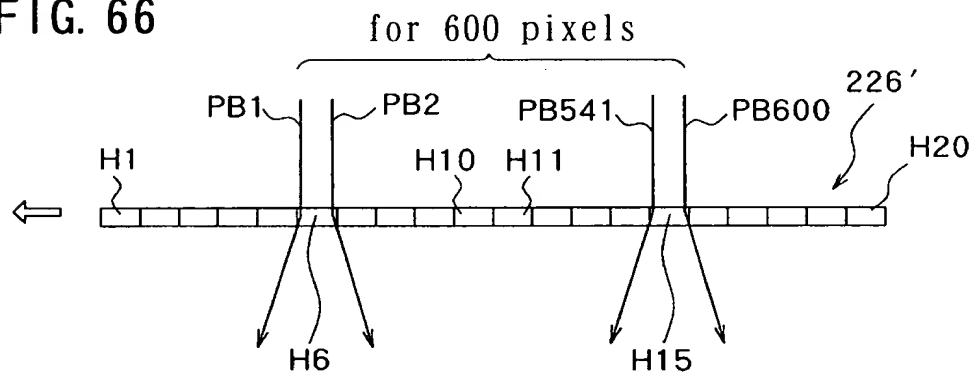
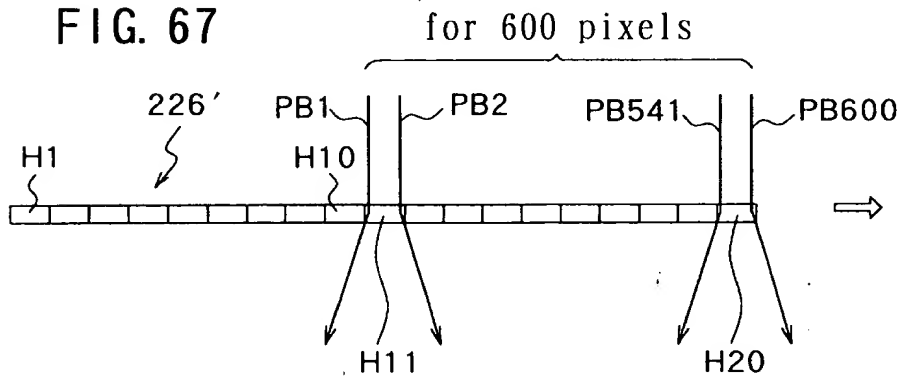


FIG. 67



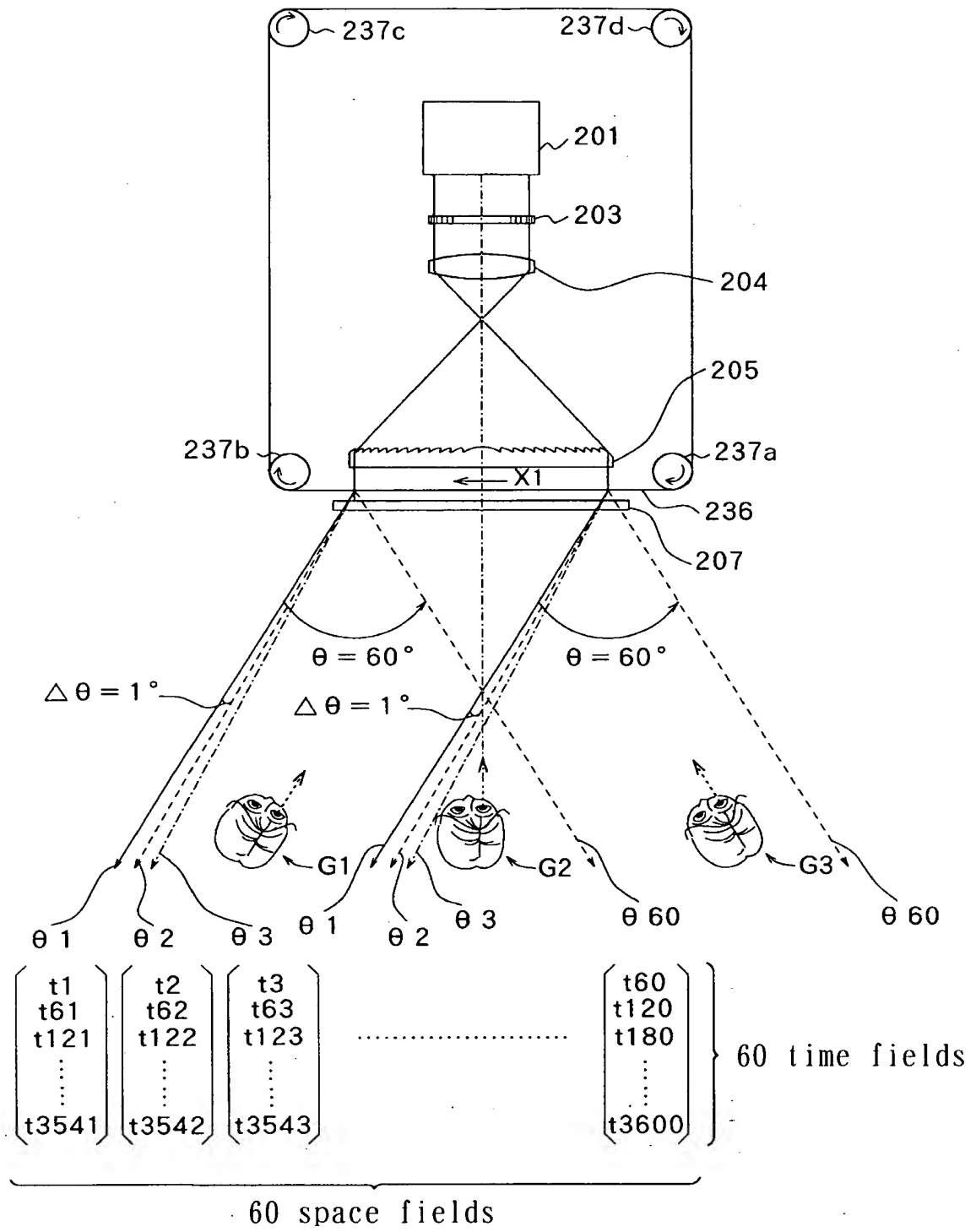


FIG. 68

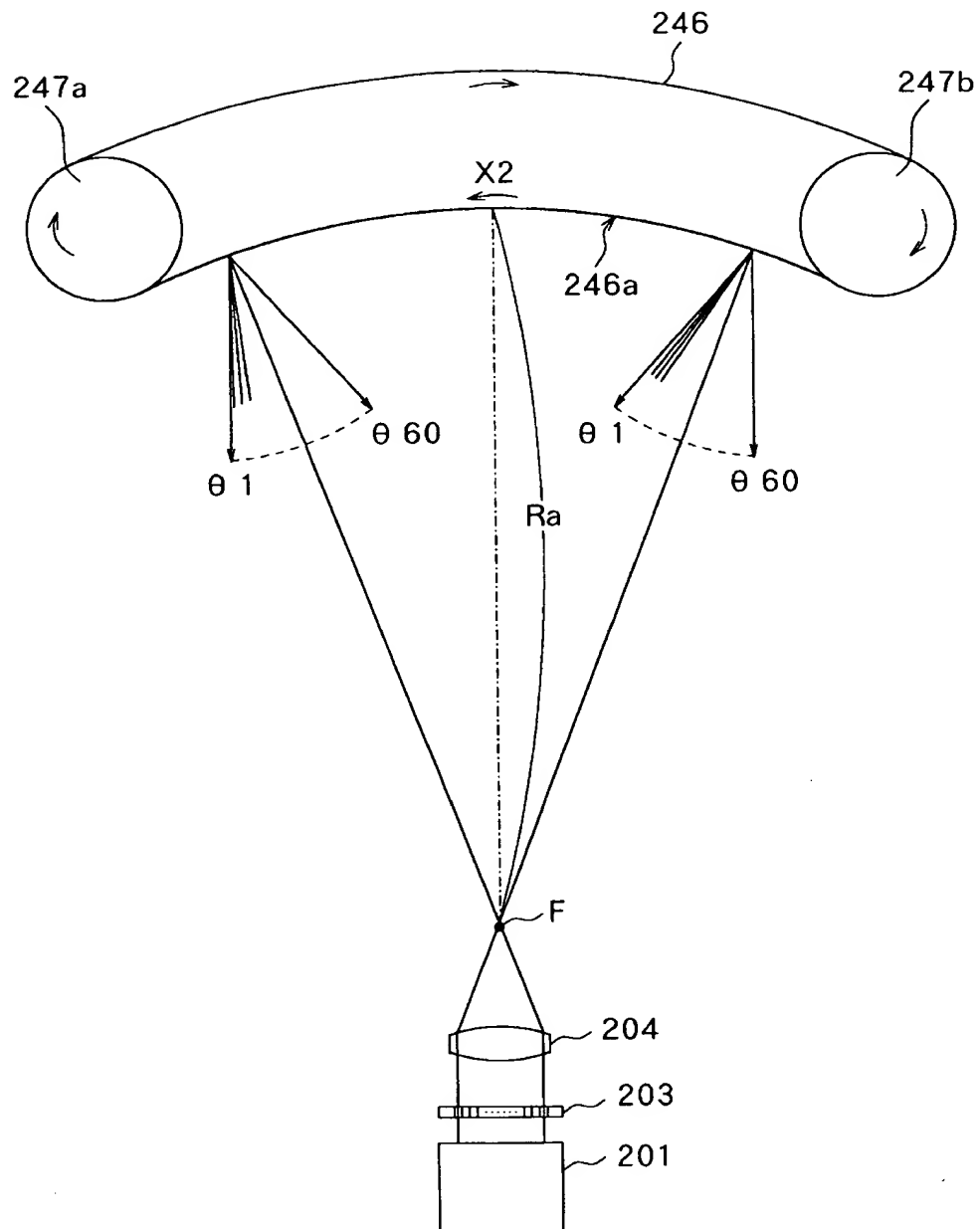


FIG. 69

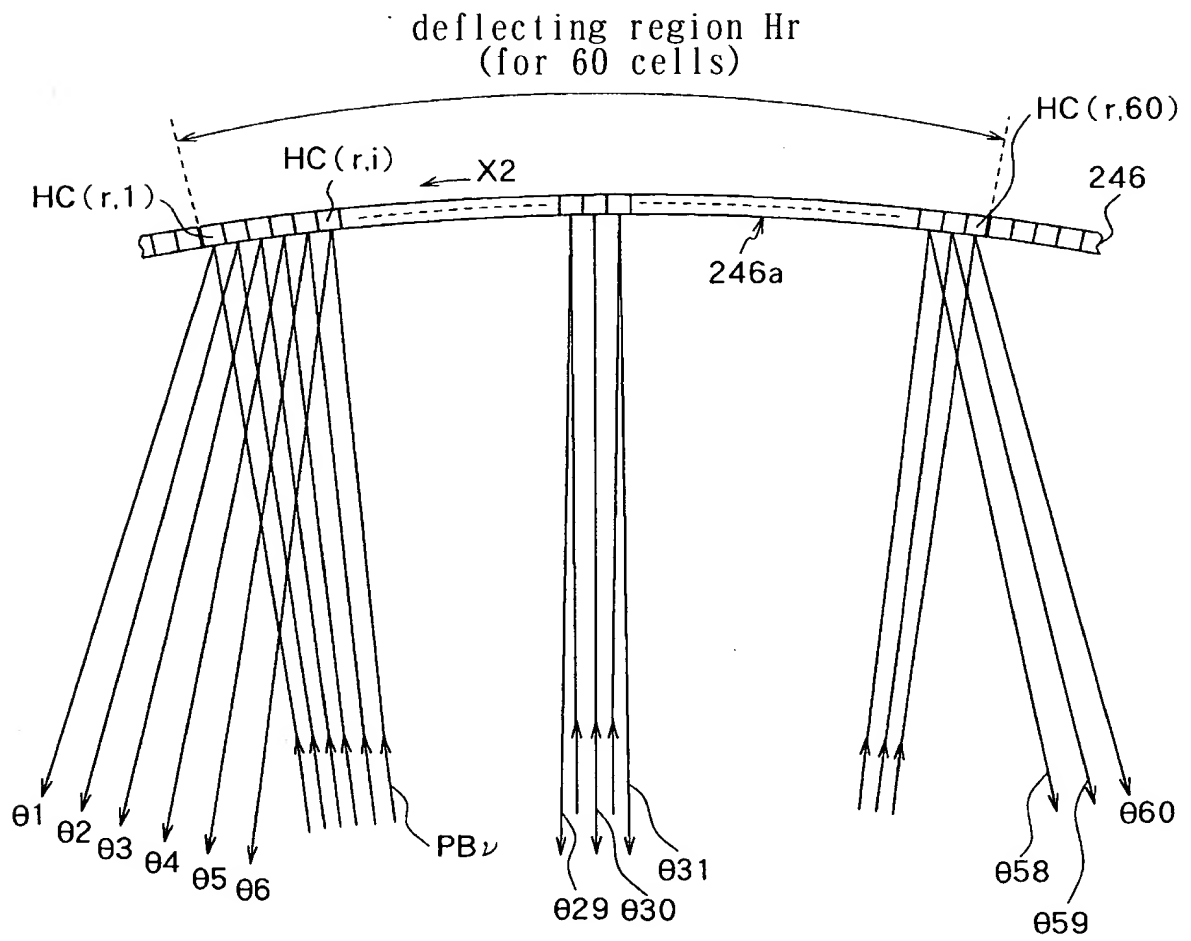


FIG. 70



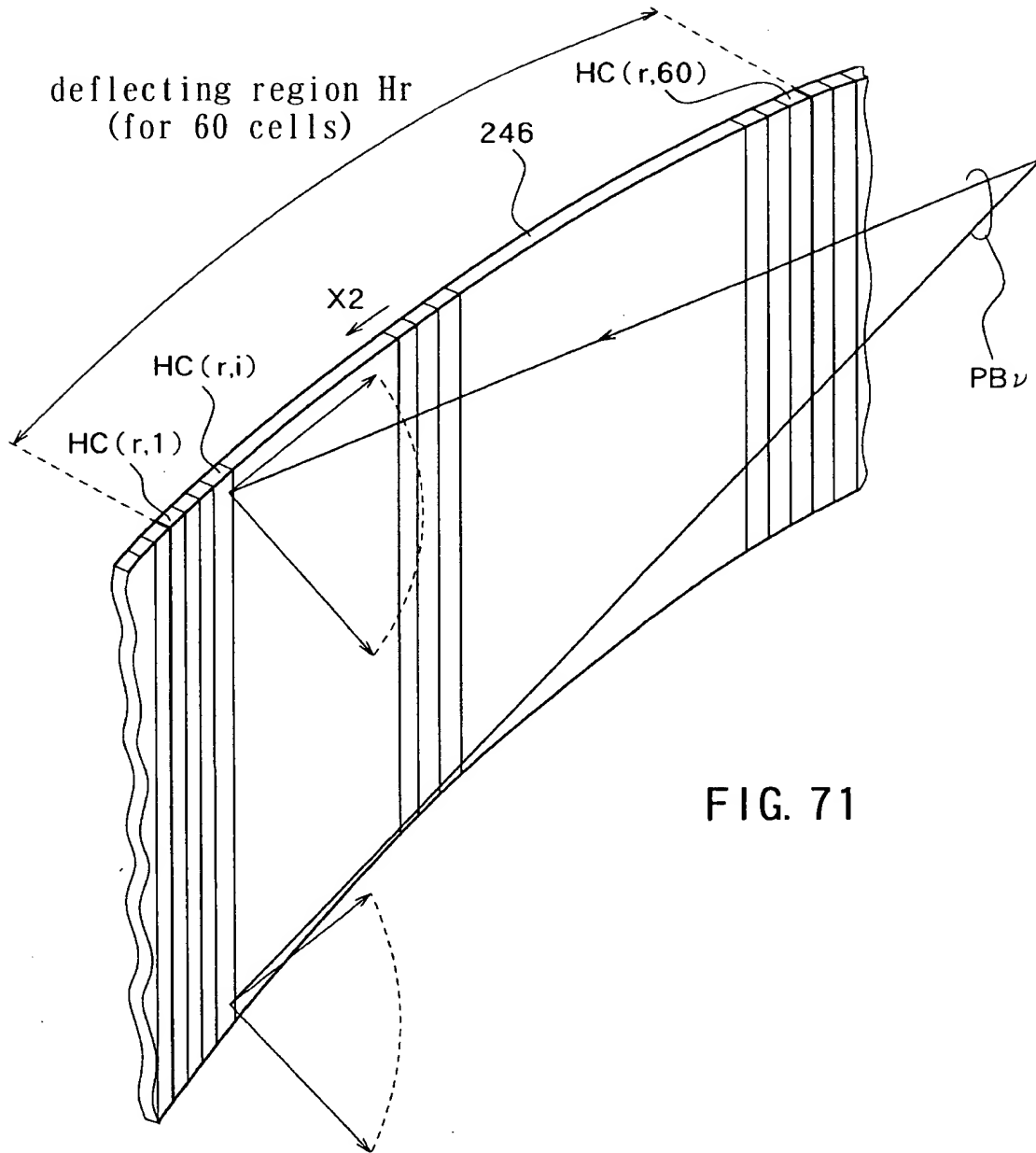


FIG. 71

0046228-09140

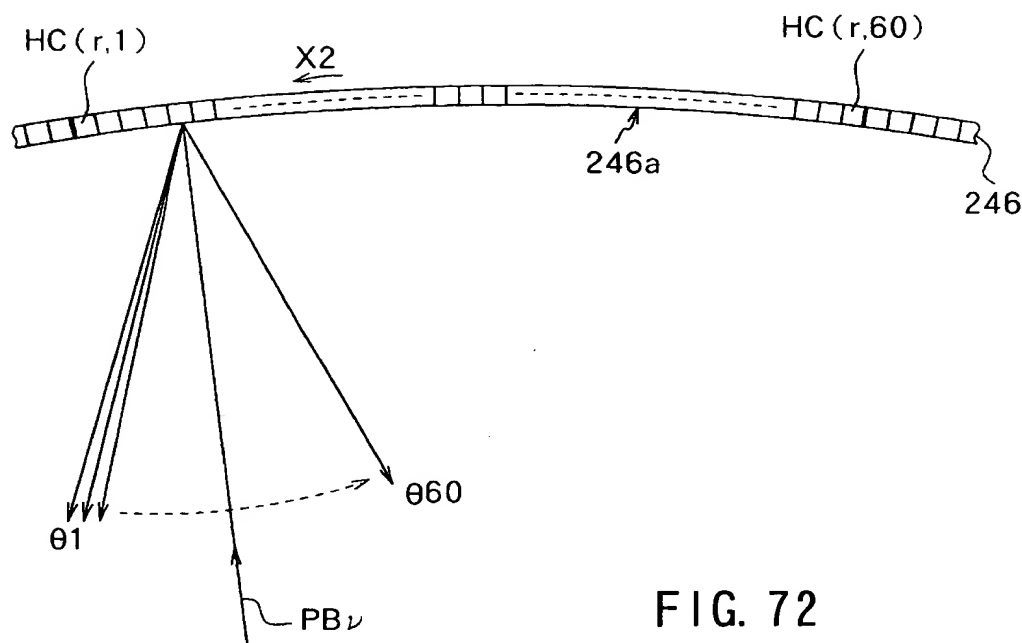


FIG. 72

004T60" 82294960

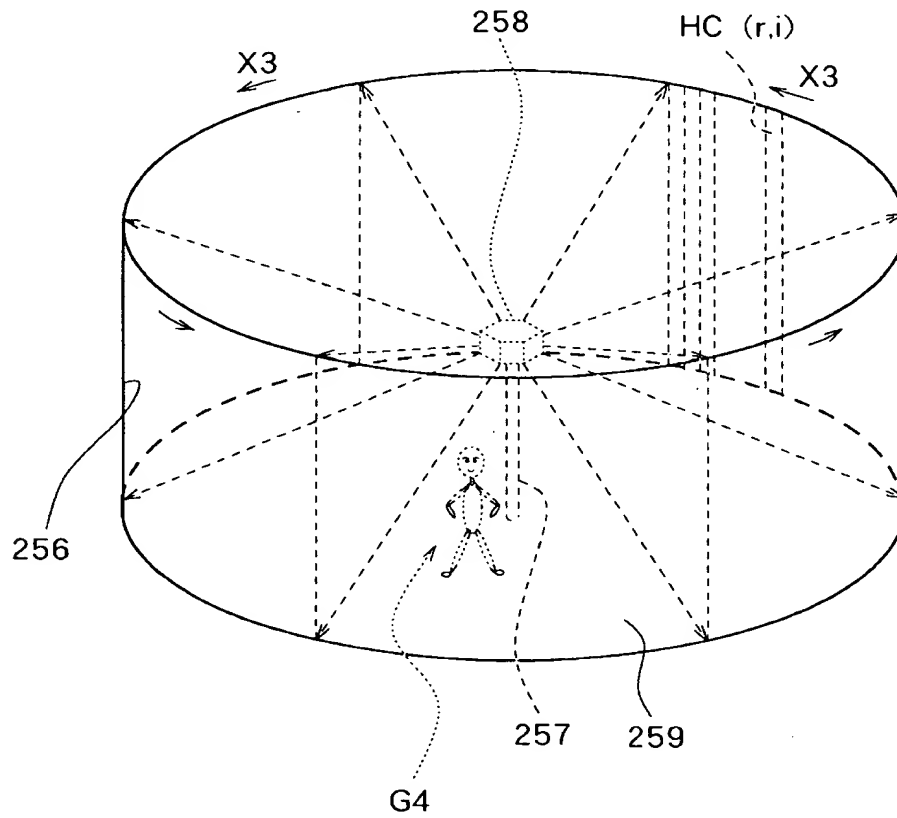


FIG. 73

0046228-091400

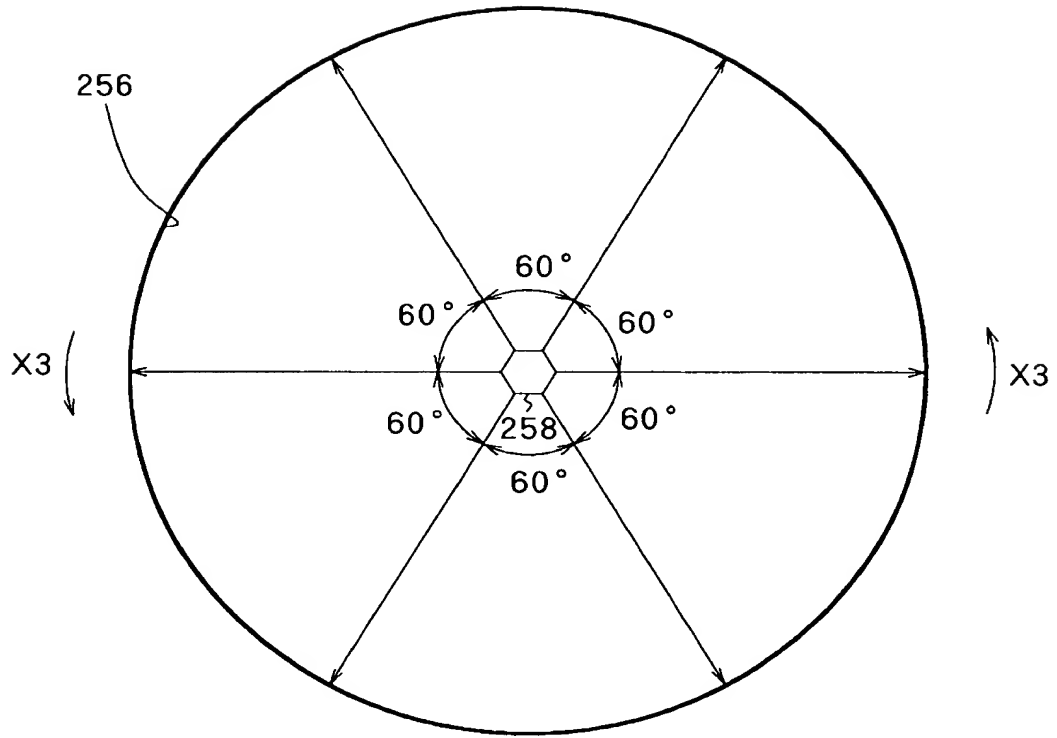


FIG. 74

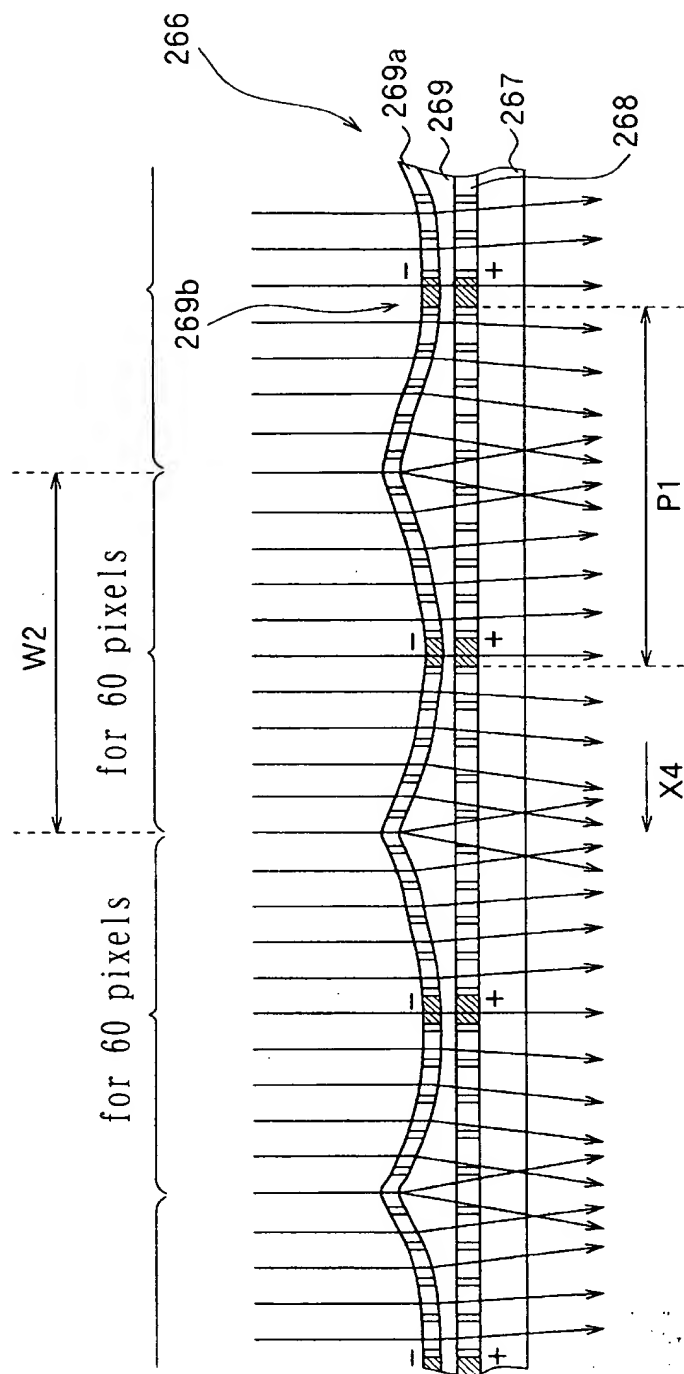


FIG. 75

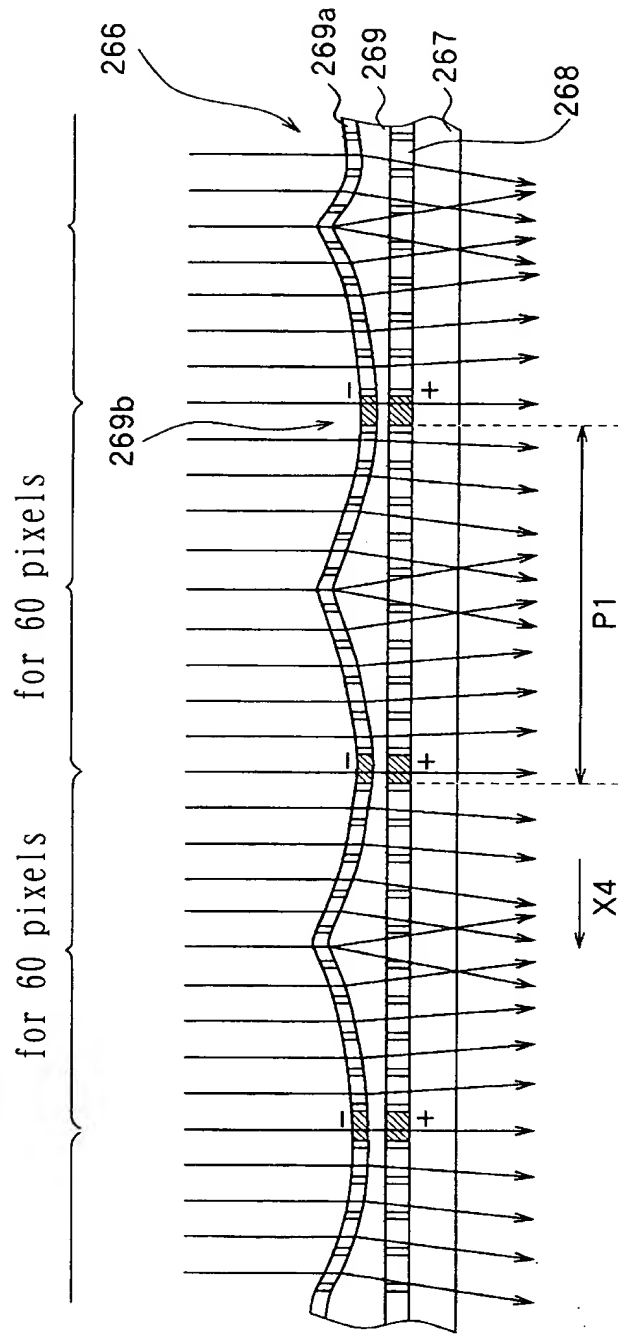


FIG. 76

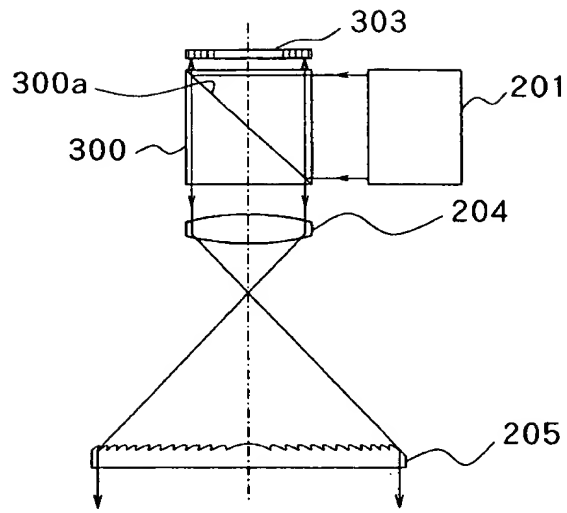


FIG. 77

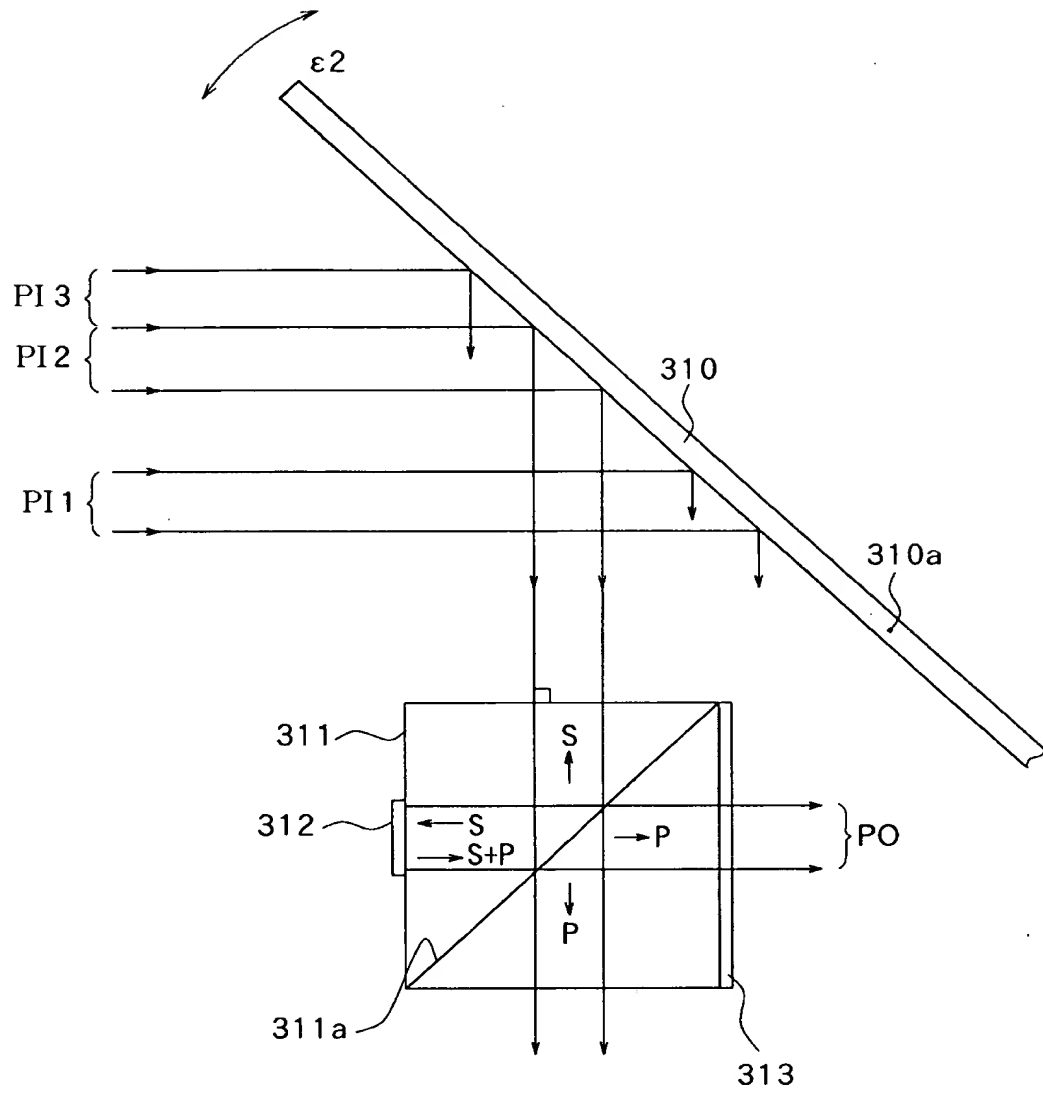


FIG. 78





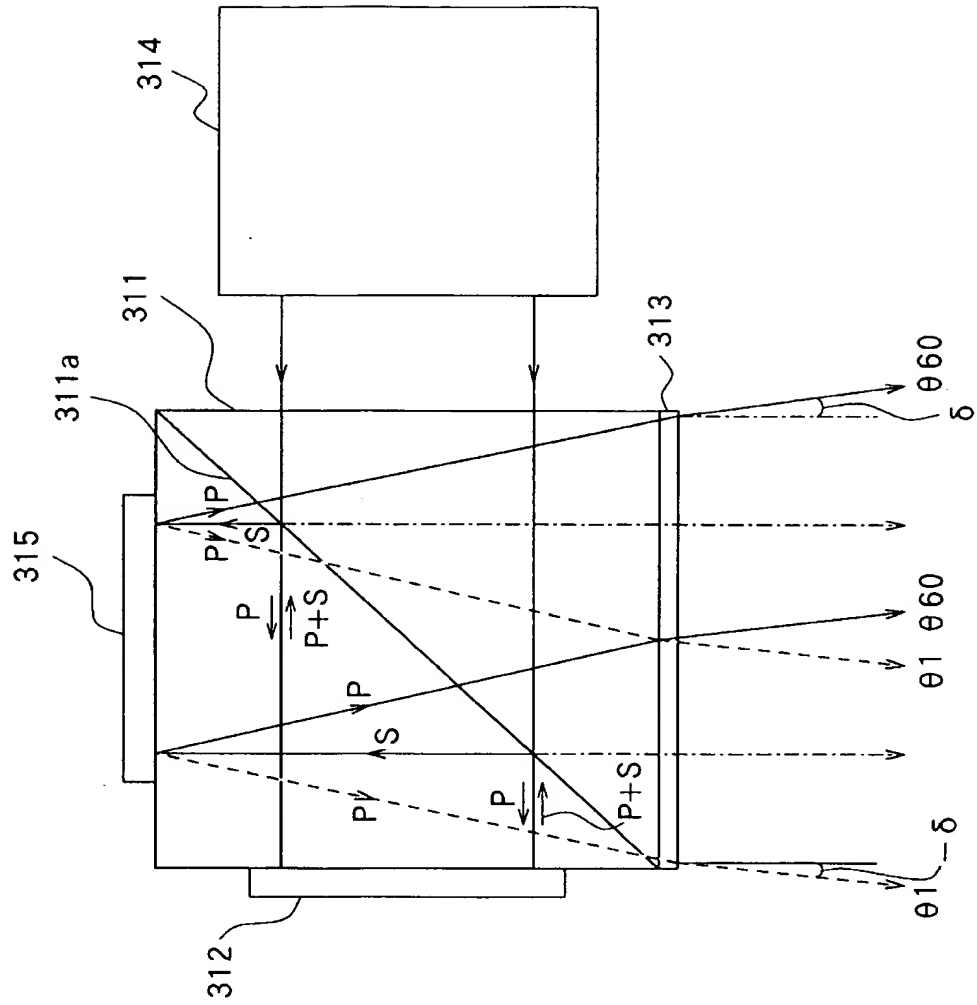


FIG. 80

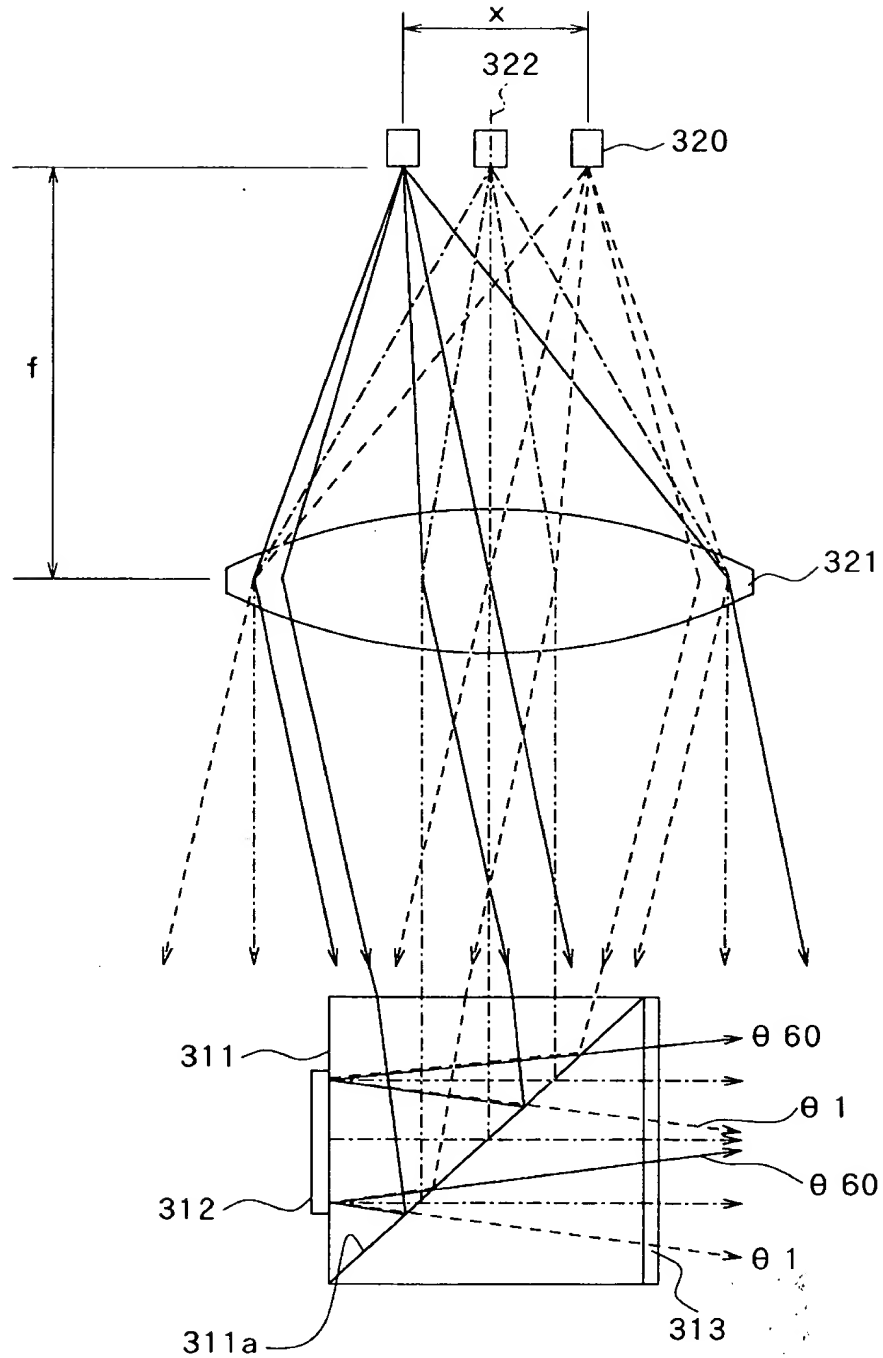


FIG. 81

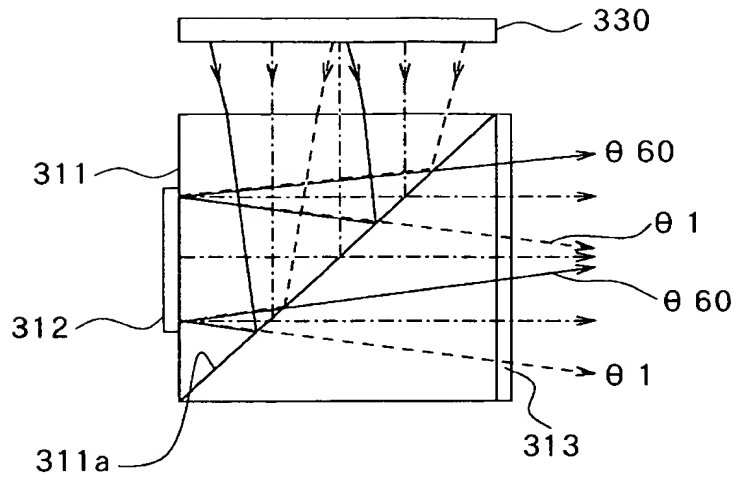


FIG. 82

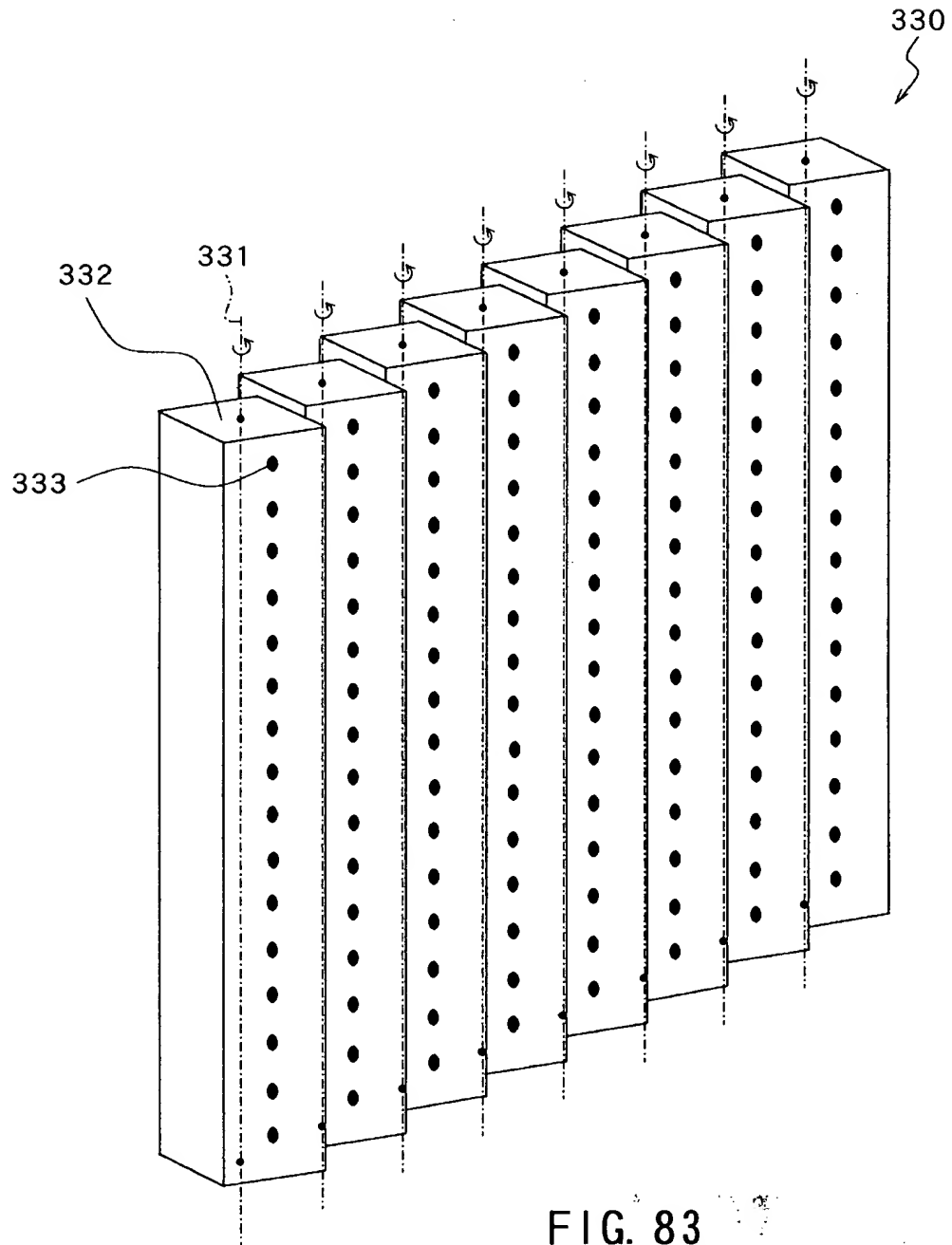


FIG. 83

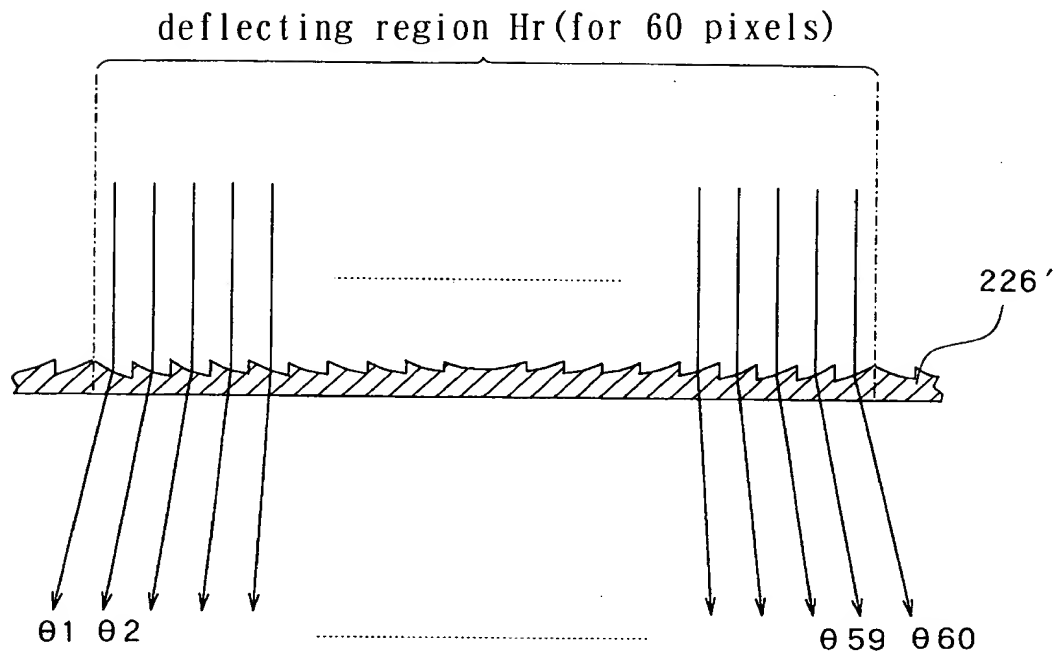


FIG. 84

004160" 82294950

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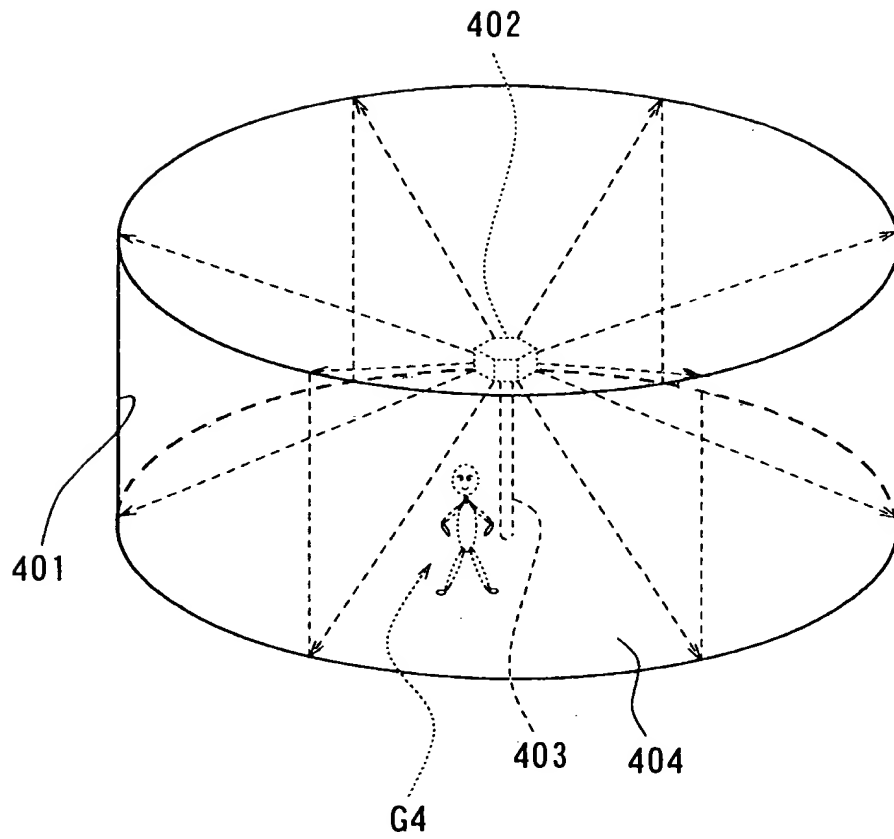


FIG. 85

004160" 82294960

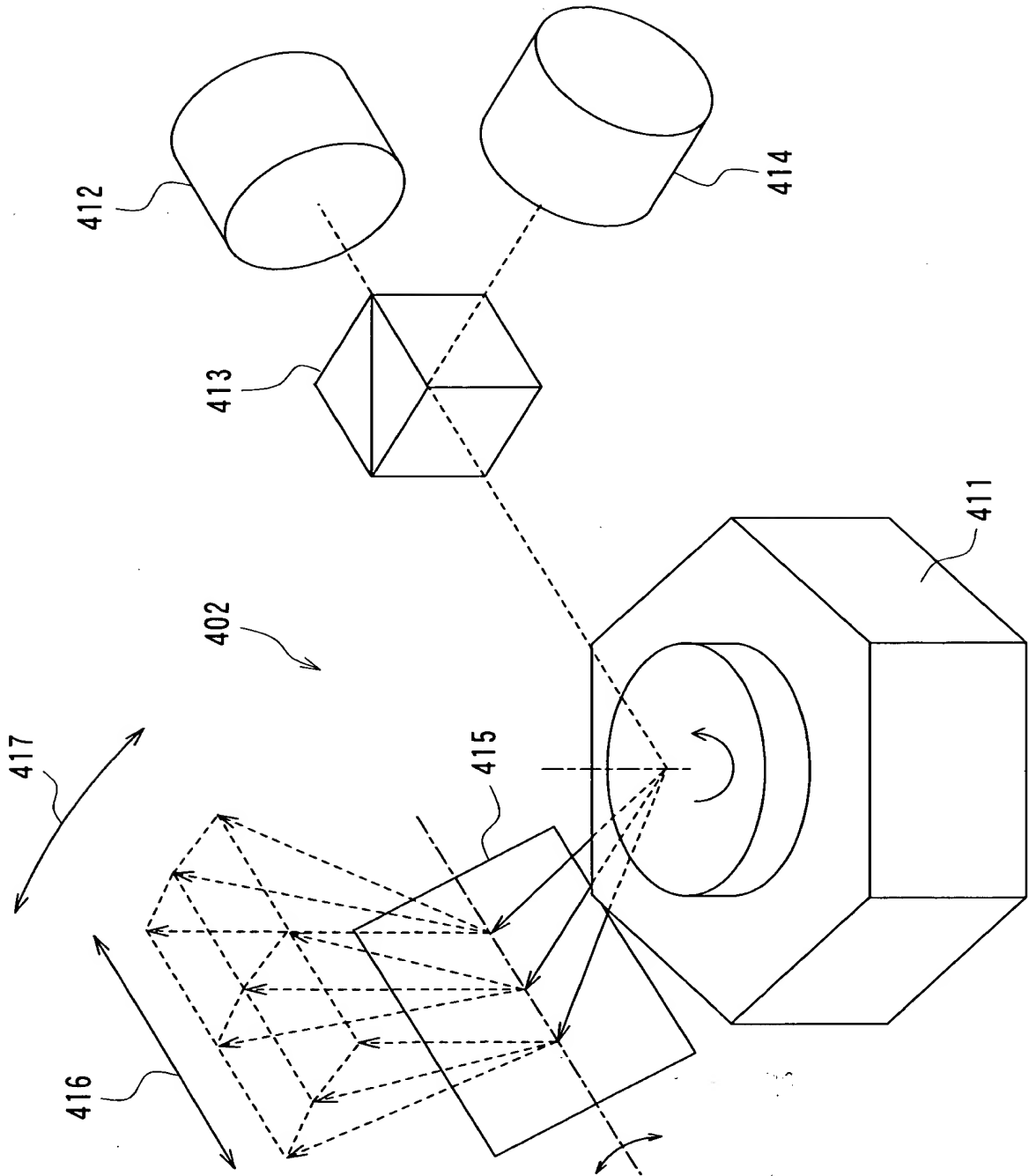


FIG. 86



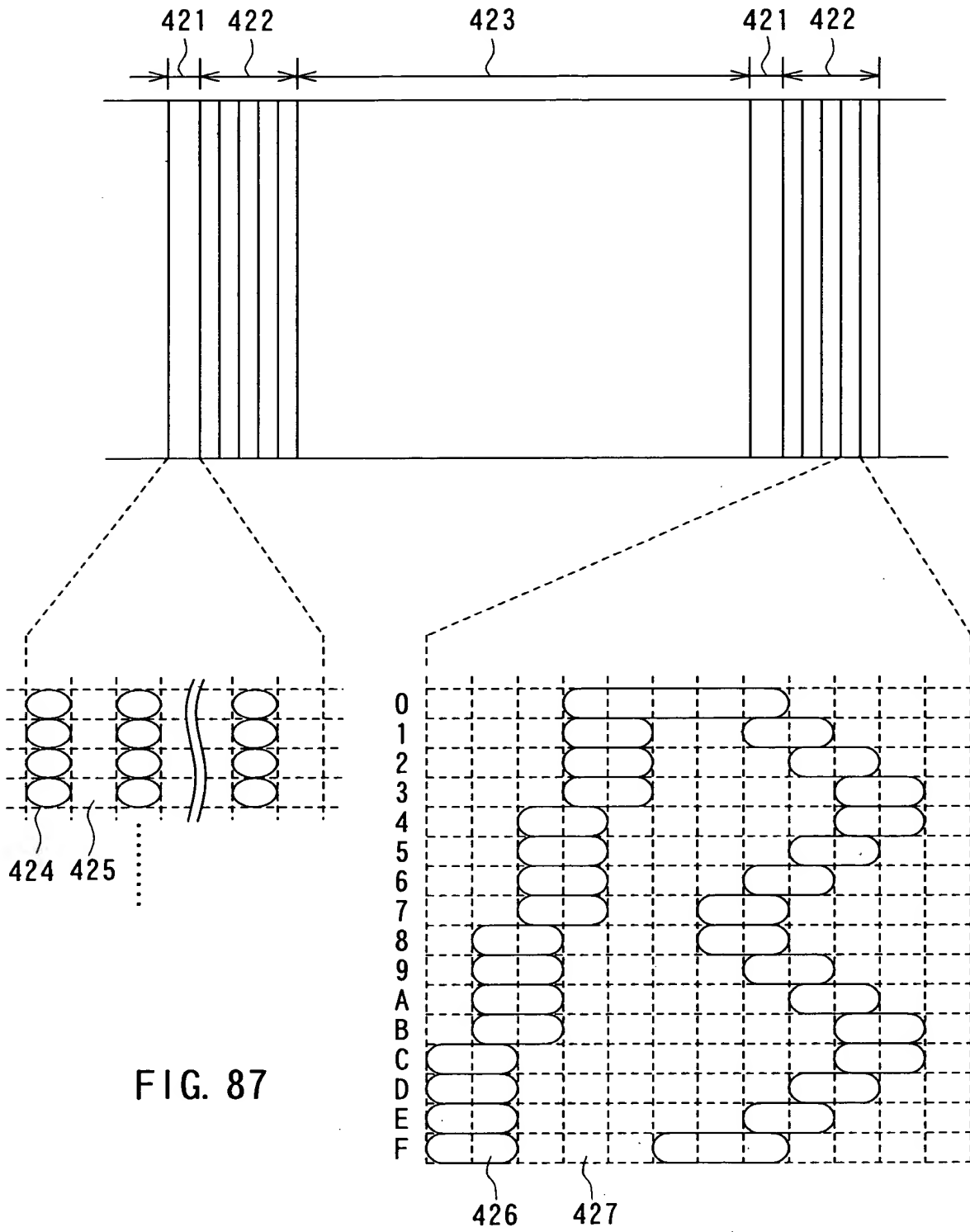


FIG. 87

004160" 82294960

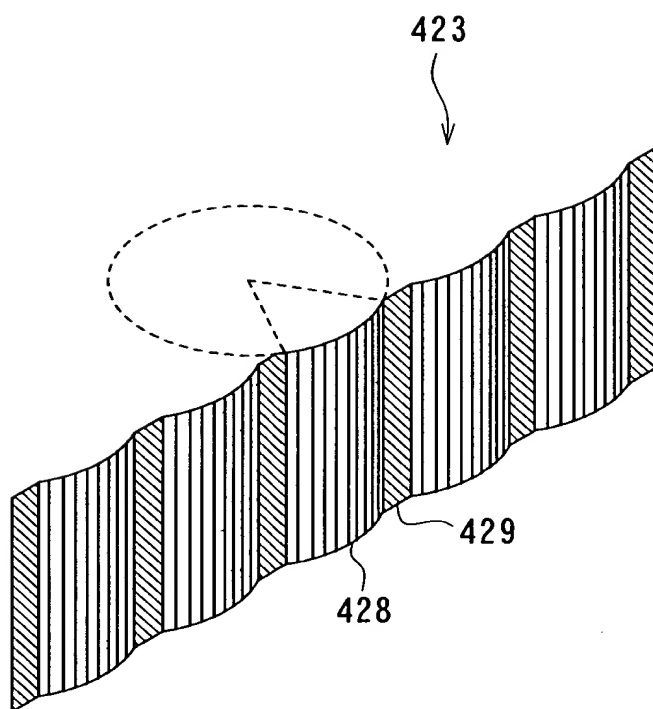


FIG. 88

004160" 82291960

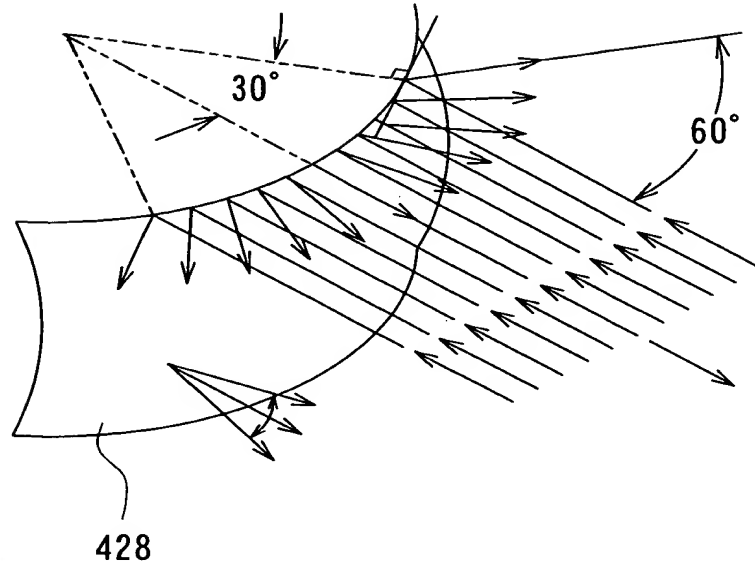


FIG. 89

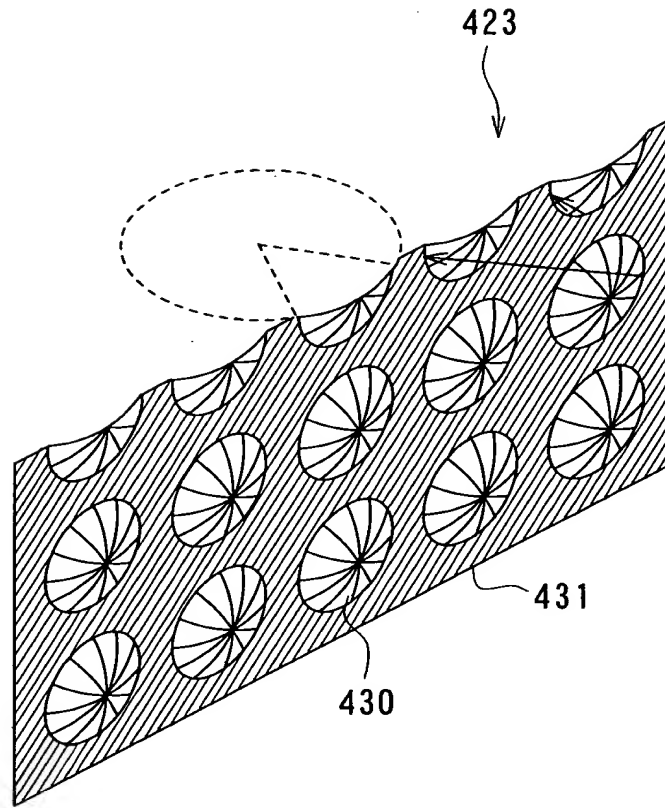


FIG. 90

77/82

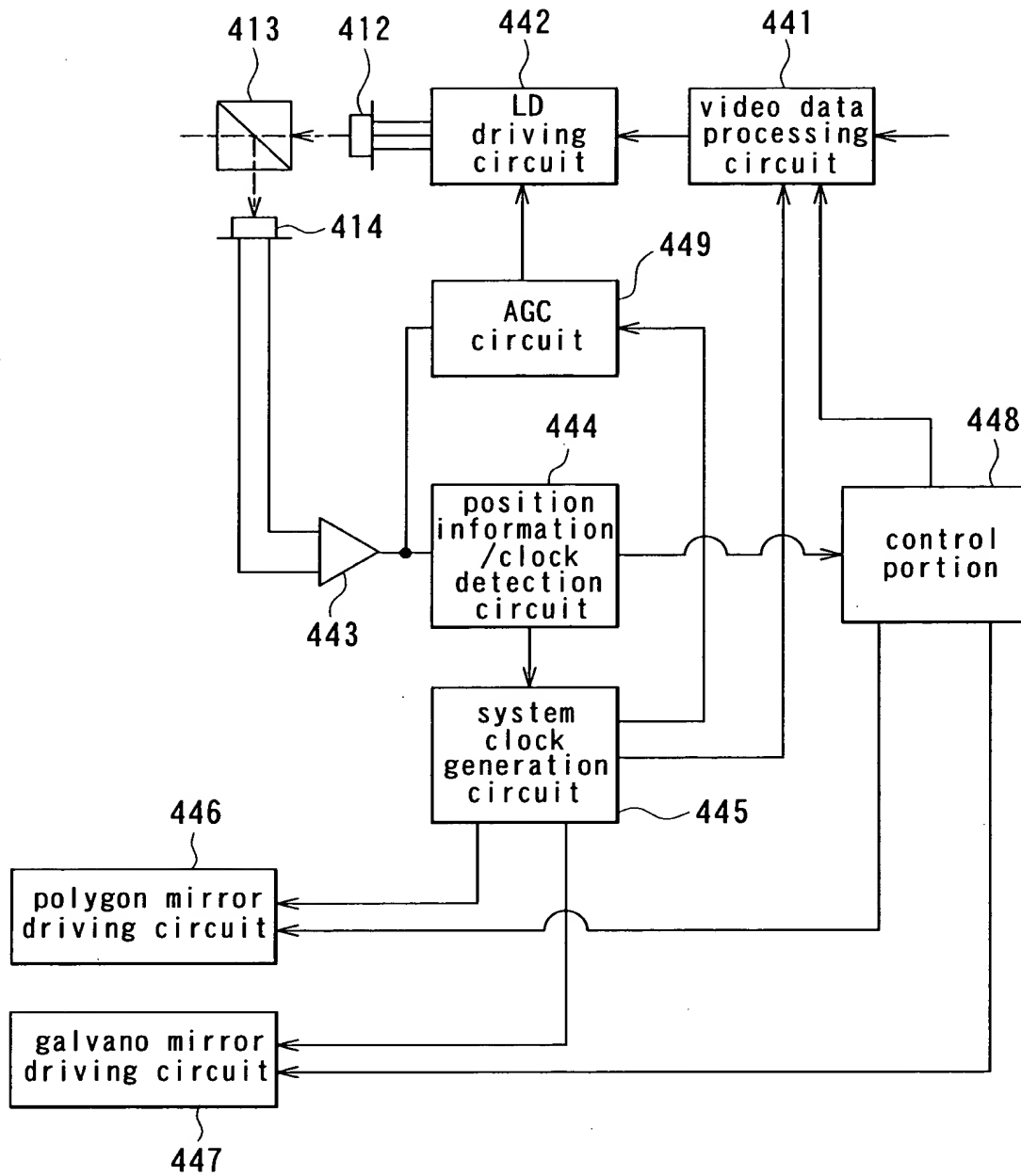


FIG. 91

0046228 82294960

004760" 82294960

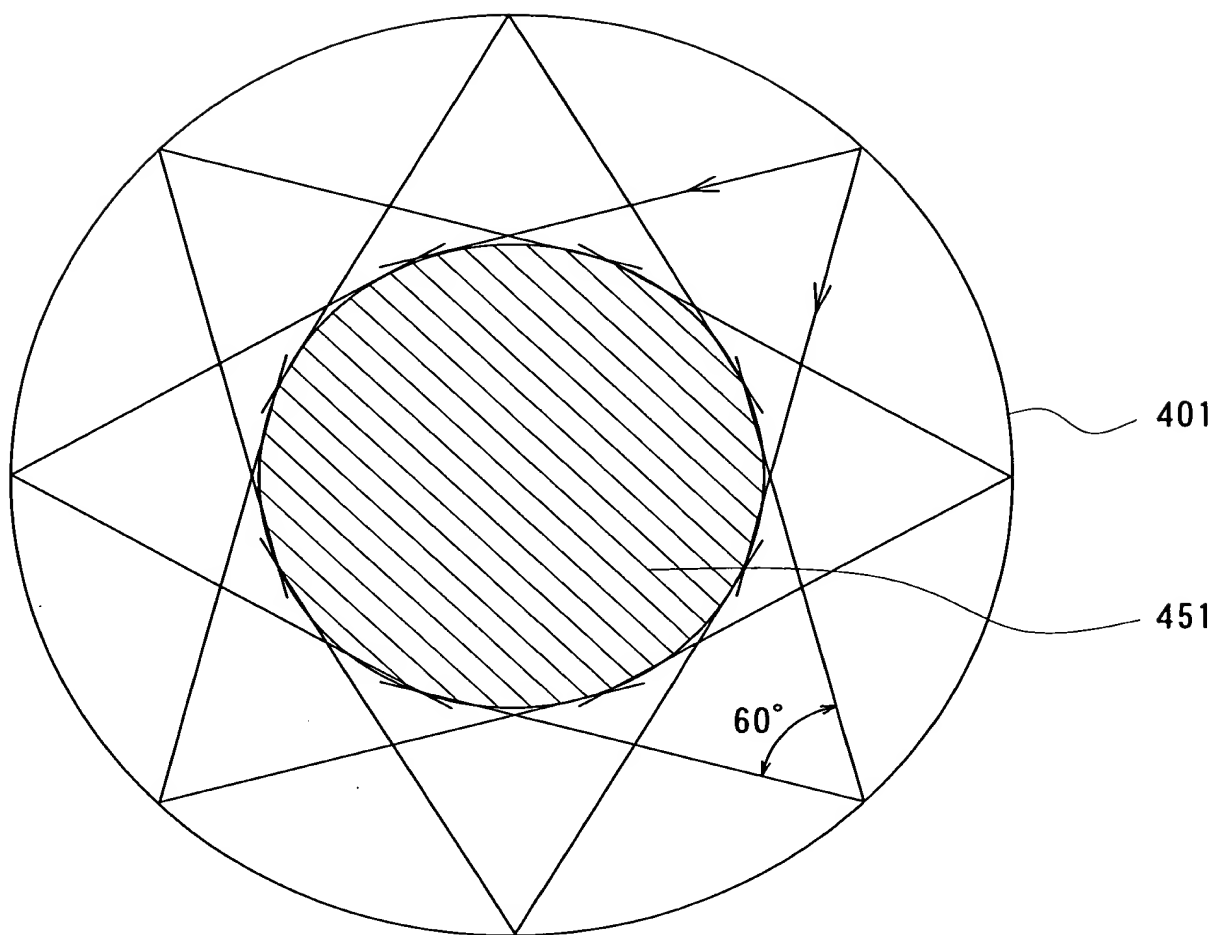


FIG. 92

00460" 82294960

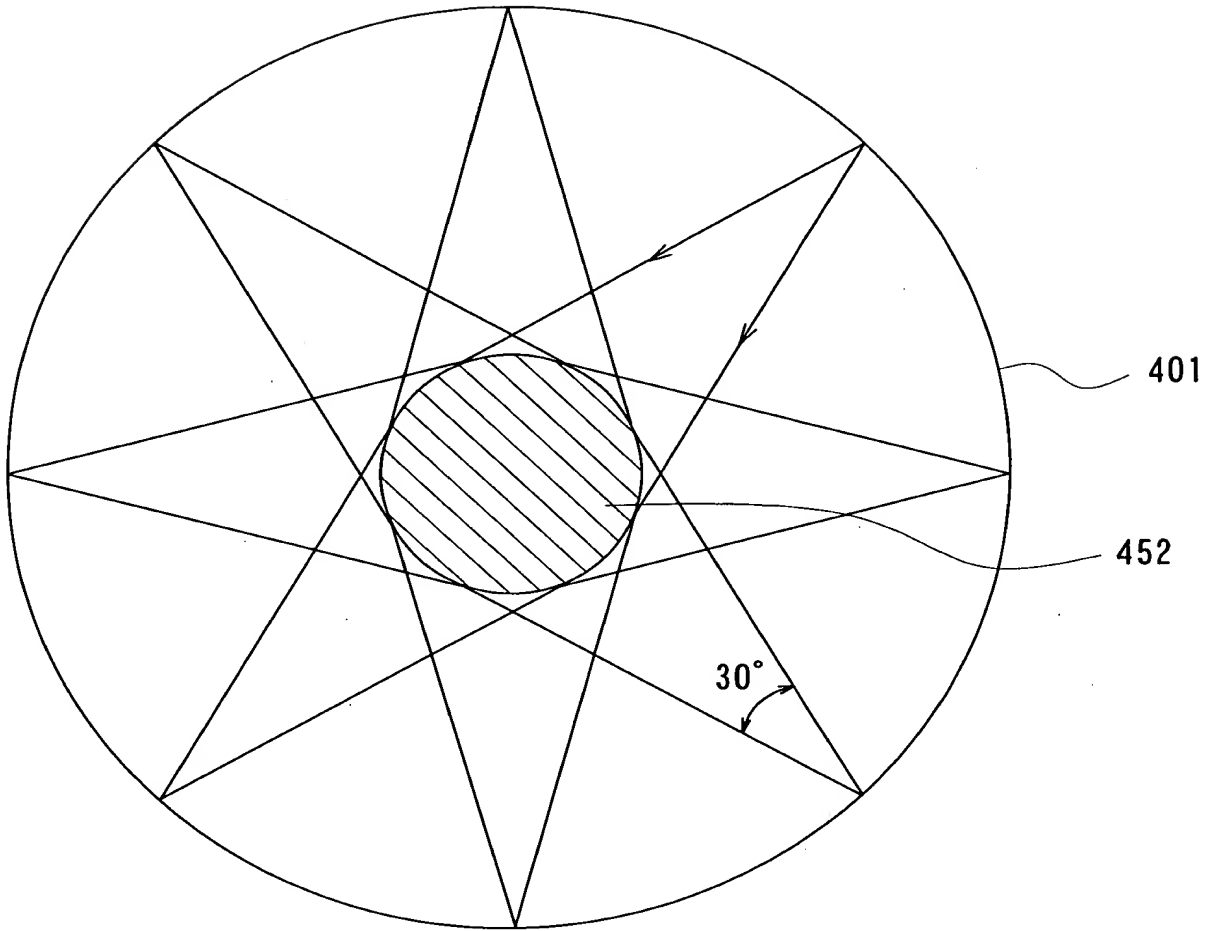


FIG. 93

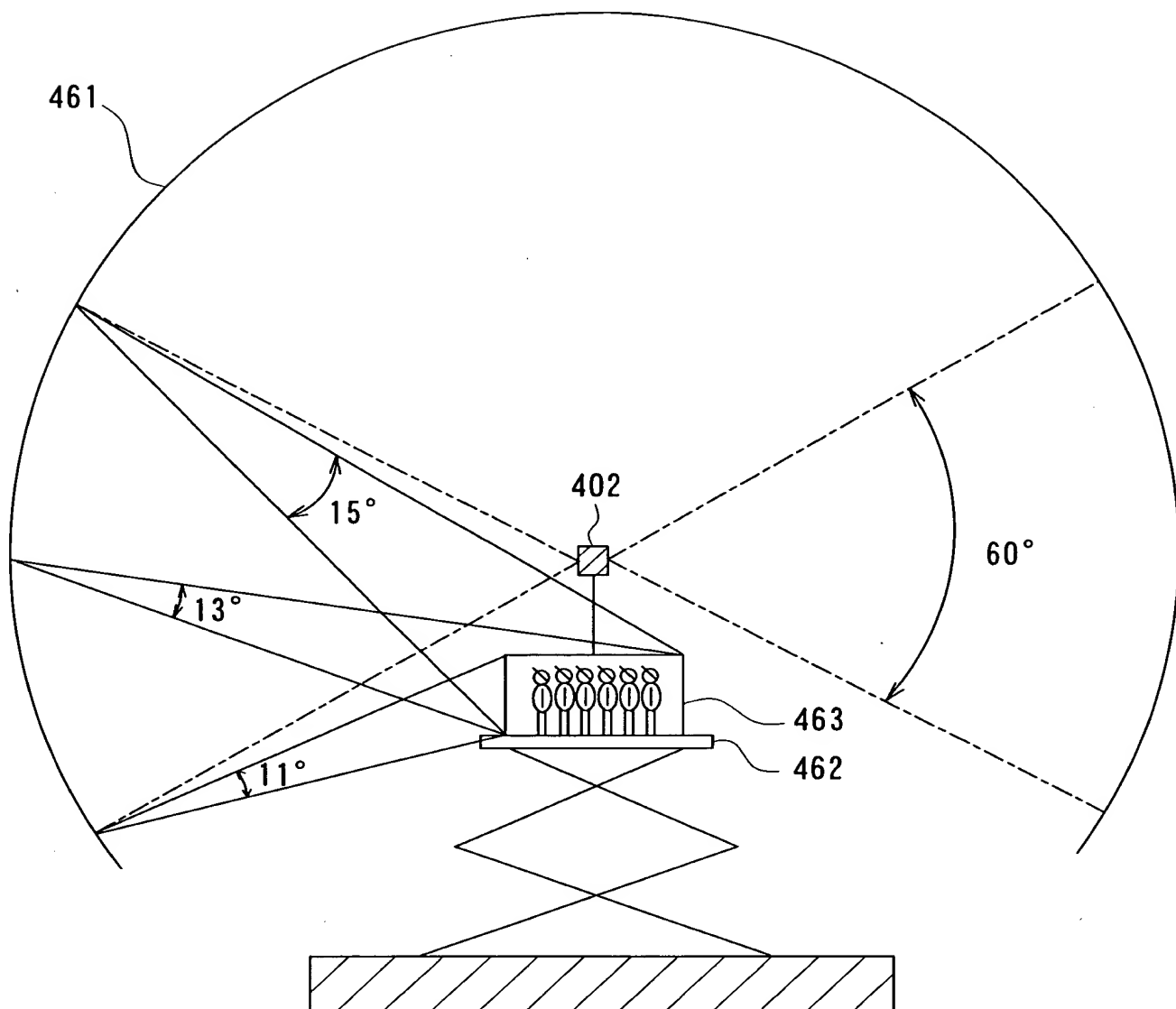


FIG. 94



004760-82294960

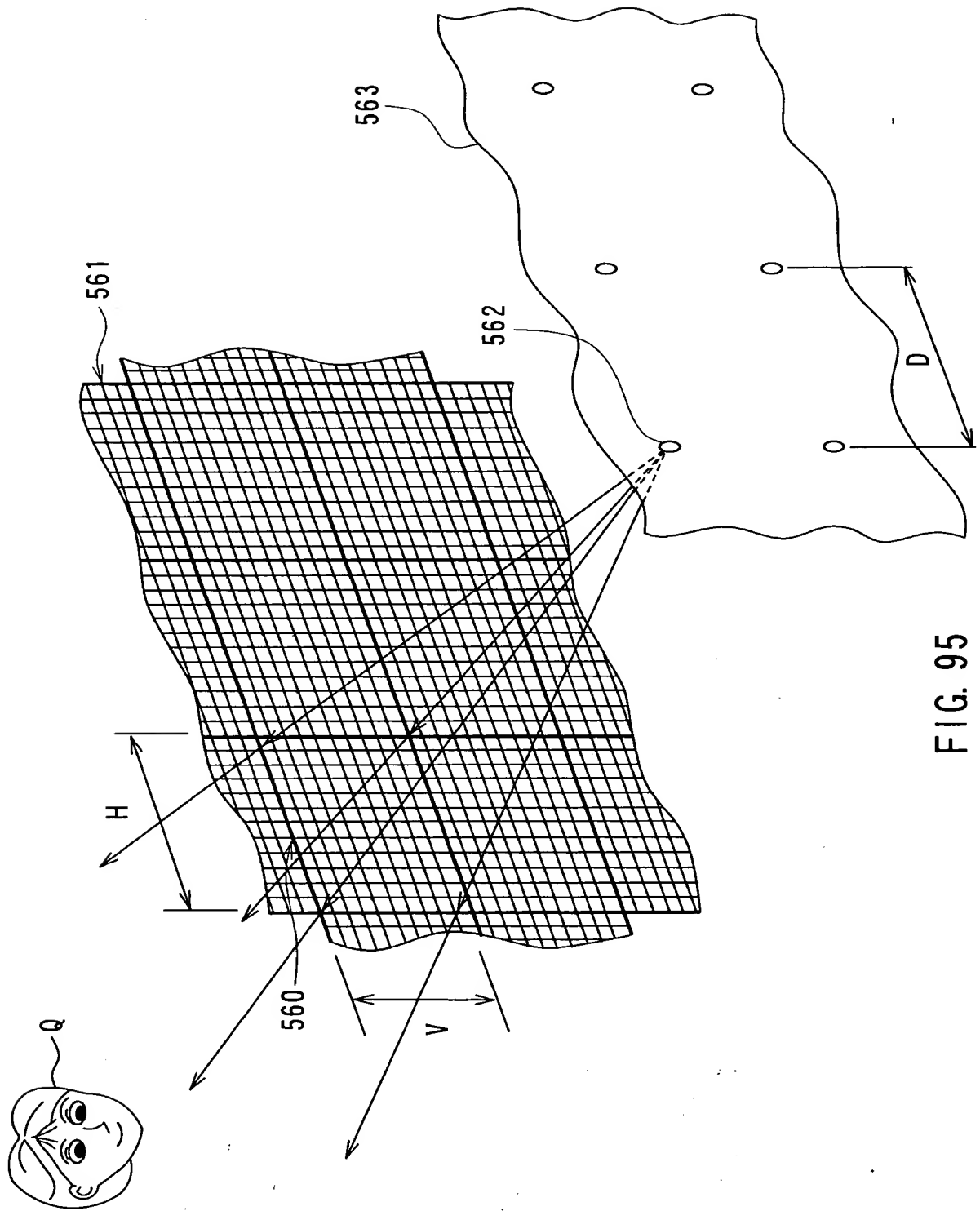


FIG. 95



FIG. 96